

+1 fâå m¿éaš khÂç brŒKiw édh¤jhŸ 2018-19

SET - 1

bkh¤j r«gs« fz¡»lš

gâahs®fë‹ bkh¤j r«gs« fz¡»l mé®fë‹ mo¥gil CÂa¤ij cŸëlhf bg‰W ÑnH bfhL¡f¥g£LŸs fz¡»lš Kiwiw ga‹gL¤Â Á++ bkhêæš ãuiy vGJf.

Basic Salary < 25000 : HRA = 20%, DA = 80%

Basic Salary >= 25000 : HRA = 25%, DA = 90%

Basic Salary >= 40000 : HRA = 30%, DA = 95%

(mšyJ)

ÏU gçkhz mâæ‹ všiy cW¥òfis m¢ÁLjš

ÏUgçkhz mâæ‹ všiy cW¥òfis k£L« m¢ÁL« Á++ ãuiy vGJf.

SET - 2

rjÅj«

switch case ga‹gL¤Â xU khztå‹ kÂ¥bg© rjÅj¤ij¡ fz¡»£L khzt‹ vªj Ãçéš (distinction, first, second, third or fail) kÂ¥bg© bg‰WŸsh‹ v‹gij bjçé¡f Á++ ãuiy vGJf.

|  |  |
| --- | --- |
| Percentage | Division |
| >=80 | Distinction |
| >=60 and <80 | First Division |
| >=50 and <60  | Second Division |
| >=40 and <50 | Third Division |
| <40 | Fail |

(mšyJ)

Ïd¡FG ga‹gL¤Â gâahs®fë‹ étu§fis btëælš

Á++ ãuèš employee v‹w Ïd¡FG cUth¡» mÂš ÑnH cŸst‰iw public cW¥òfis nr®¡fÎ«.

public members

eno integer

name 20 characters

des 20 characters

cW¥ò bra‰TW

void get() všyh juÎ cW¥Ãd®fS¡F« kÂ¥ig cŸÇ£lhf bgw

salary v‹w jUé¡f¥g£l Ïd¡FGit m¿é¤j mÂš ÑnH cŸs étu§fŸ bfhL¡fÎ«

public cW¥òfŸ

bp, hra, da, pf, np float

member cW¥ò bra‰TW

void get1() bp, hra, da k‰W« pf kÂ¥ig cŸÇlhf bg‰W

calculate() v‹w bra‰T‰iw mik¤jš nt©L«

calculate() bp, hra, da kÂ¥òfis T£o mÂèUªJ pf kÂ¥ig fê¤J np fz¡»lš nt©L«.

display() všyh étu§fisÍ« btëæl nt©L«.

jUé¡f¥g£l Ïd¡FGé‰F bghUis cUth¡» mj‹ \_y« gâahs®fë‹ étu§fis x›bthU gâahs®fS¡F« get() get1() bra‰TWfë‹ \_y« cŸë£L brŒf.

SET – 3

ghè©£nuh«

cŸÇlhf bgw¥g£l v© ghè©£nuh« mšyJ Ïšiyah vd¡ f©l¿Í« Á++ãuiy While kl¡»id ga‹gL¤Â vGJf.

(mšyJ)

ABC btëp£lhs®fŸ

Á++ æš btëp£lhs® v‹w Ïd¡FGit ÑnH bfhL¡f¥g£LŸs és¡f§fŸgo m¿é¡fÎ«.

ABC PUBLISHERS

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INVOICE

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Book Number :

Title :

Author Name :

Price Per Book :

Total Amount :

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SET – 4

v© kh‰w«

do… while kl¡»id ga‹gL¤Â g£oaš mo¥gilæyhd Á++ ãuiy vGJf.

1. jrk v©iz ÏUk v©zhf kh‰w
2. ÏUk v©iz jrk v©zhf kh‰w
3. btënaw

bfhL¡f¥g£l cŸÇ£L¡F V‰wthW kÂ¥Ãid bg‰W btÇ£il m¢ÁlÎ«. gad® \_‹wh« éU¥g¤ij nj®Î brŒÍ« tiu ãuè‹ Ïa¡f« bjhlu nt©L«.

(mšyJ)

xU mâæš cW¥òfis nr®¤jš / Ú¡Fjš

xU gçkhz mâæš KG v©fis cW¥òfshf nr®¤jš k‰W« Ú¡Fjš brŒa g£oaš mo¥gilæyhd Á++ ãuiy vGJf.

SET - 5

~ÃnghdhÁ – gfh v© bjhl®

gad® tiua‰¤j bra‰T‰iw ga‹gL¤Â ~ÃnghdhÁ bjhliu n tiuæš cUth¡» mÂš x›bthU v©Q« prime mšyJ Composite v©zhf vd¡ f©l¿Í« Á++ ãuiy vGJf.

(mšyJ)

khzt® étu§fŸ

student v‹w Ïd¡FGit cUth¡» mÂš gÂÎ v©, bg‰w kÂ¥bg©fis cŸÇL brŒJ bkh¤j kÂ¥bg©fŸ M»a étu§fis bfhL¡F« Á++ ãuiy vGJf.



+1 COMPUTER SCIENCE MODEL PRACTICAL QUESTION 2018-19

SET-1

GROSS SALARY

Write a C++ program to input basic salary of an employee and calculate its Gross

salary according to following:

Basic Salary < 25000 : HRA = 20%, DA = 80%

Basic Salary >= 25000 : HRA = 25%, DA = 90%

Basic Salary >= 40000 : HRA = 30%, DA = 95%

(OR)

BOUNDARY ELEMENTS OF A MATRIX

Write a C++ program to print boundary elements of a matrix

SET-2

PERCENTAGE

Write a C++ program to check percentage of a student and display the division

(distinction, first, second, third or fail) scored using switch case

|  |  |
| --- | --- |
| Percentage | Division |
| >=80 | Distinction |
| >=60 and <80 | First Division |
| >=50 and <60  | Second Division |
| >=40 and <50 | Third Division |
| <40 | Fail |

(OR)

EMPLOYEE DETAILS USING CLASS

Create a C++ program to create a class employee containg the following members in public.

Public members

eno integer

name 20 characters

des 20 characters

member Function

void get() to accept values for all data members

Declare the derived class called Salary which contain the following details.

Public members

bp, hra, da, pf, np float

member Function

void get1() to accept values for bp,hra,da and pf and invoke calculate()

calculate() calculate the np by adding bp,hra,da subtracting pf

display() Display all the details

Create the derived class object and read the number of employees.Call the function

get(),get1() for each employee and display the details

SET-3

PALINDROME

Write a C++ program to enter any number and check whether the number is palindrome

or not using while loop.

(OR)

ABC PUBLISHERS

Define a class named Publisher in C++ with the following descriptions

ABC PUBLISHERS

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INVOICE

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Book Number :

Title :

Author Name :

Price Per Book :

Total Amount :

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SET-4

NUMBER CONVERSION

Using do while loop create the following menu based C++ program

1.Convert a Decimal to binary number

2.Convert a binary number to Decimal

3. Exit

Depending on the choice accept the value and display the result .The program should continue till the userselect the third option

(OR)

INSERT/DELETE ELEMENTS IN AN ARRAY

Write a menu driven C++ program to Insert and Delete elements in a single dimension array of integers and print the array after insertion or deletion

SET-5

FIBONACCI PRIME SERIES

Write a C++ program using a user defined function to generate the Fibonacci series till n terms and print if each term is prime or Composite.

(OR)

STUDENT DETAILS

Write a C++ program to create a class called Student with the following details

Protected member

Rno integer

Public members

void Readno(int); to accept roll number and assign to Rno

void Writeno(); To display Rno.

The class Test is derived Publically from the Student class contains the following details

Protected member

Mark1 float

Mark2 float

Public members

void Readmark(float,float); To accept mark1 and mark2

void Writemark(); To display the marks

Create a class called Sports with the following detail

Protected members

score integer

Public members

void Readscore(int); To accept the score

void Writescore(); To display the score

The class Result is derived Publically from Test and Sports class contains the following details

Private member

Total float

Public member

void display() assign the sum of mark1 ,mark2,score in total.

invokeWriteno(),Writemark() and Writescore() .Display the total also.