CHPTER NO:8[Object And Classes]

[exercise]

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**Note: Question no 1,2,3 are M.C.Q.S Part.**

**Qs.No(4):-Write a class Marks with three data members to store three marks. Write three member function in() to input marks, sum() to calculate and return the sum and**

**avg() to calculate and return the average marks.**

**Ans:-**

#include<iostream>

**OUTPUT:**

Enter Physics Marks : 90

Enter Math's Marks : 90

Enter Computer Science Marks : 90

Total : 270

Average : 90

// #include<conio.h>

using namespace std;

class Marks

{

private :

int physics;

int math;

int cs;

int total;

public:

void in()

{

cout<<"Enter Physics Marks : "<<endl;

cin>>physics;

cout<<"Enter Math's Marks : "<<endl;

cin>>math;

cout<<"Enter Computer Science Marks : "<<endl;

cin>>cs;

}

void sum()

{

total=physics+math+cs;

cout<<"Total : "<<total<<endl;

}

void avg()

{

float avg=(total/3); //ave == average.

cout<<"Average : "<<avg<<endl;

}

};

int main()

{

Marks MM;

MM.in();

MM.sum();

MM.avg();

return 0;

}

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**Qs.No(7):- Write a class that displays a simple message on the screen whenever an object of that class is created.**

**Ans:-**

#include<iostream>

using namespace std;

class deyan

{

public:

deyan(){ //Constructor because name of class and function is same.(and datatype of function well no need.)

cout<<"I well become a H@cker!!";

}

**OUTPUT :**

I well become a H@cker!!

};

int main()

{

deyan dd; //object creation. (just create object of class and it automatically call)

return 0;

}

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**Qs.No(8):- QS.NO(8):- Write a C++ program to implementing a class with the name 'Time'. This class should have a constructor to initialize the Time,Hours,Minutes and seconds. The class should have another function named 'ToSecond()' to convert and display the time into seconds.**

**Ans:-**

#include<iostream>

using namespace std;

**OUTPUT :**

Enter Hours : 1

Enter Minutes : 2

Enter Seconds : 30

**Total Seconds=3750 sec**

class Time {

private :

int hours,minutes,second,time;

public :

Time() {

cout<<"Enter Hours : "<<endl;

cin>>hours;

cout<<"Enter Minutes : "<<endl;

cin>>minutes;

cout<<"Enter Seconds : "<<endl;

cin>>second;

}

void ToSecond() {

time=(hours\*60\*60)+(minutes\*60)+second; //to convert hours into second = (amount)hours \* 60min \* 60.

cout<<"Total Seconds="<<time<<" sec";

}

};

int main() {

Time TT;

TT.ToSecond();

return 0;

}

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