EXPERIMENT NO: - 02

Program:-1

Write a program to declare structure student having data members roll\_no and percentage. Accept this data for 5 objects. Display name of student having highest percentage.

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| #include<iostream.h>  #include<conio.h>  struct student  {  int roll\_no;  char name[10];  int per;  };  void main()  {  struct student s[5];  int i,temp;  clrscr();  cout<<"Enter data for five students:-";  for(i=0;i<5;i++)  {  cout<<"\nEnter roll number:-";  cin>>s[i].roll\_no;  cout<<"\nEnter name:-";  cin>>s[i].name;  cout<<"\nEnter Percentage:-";  cin>>s[i].per;  }  temp=s[0].per;  for(i=0;i<5;i++)  {  if(temp<s[i].per)  {  temp=s[i].per;  }  }  for(i=0;i<5;i++)  {  if(s[i].per==temp)  {  cout<<"\nDetails of student with highest  percentage:-";  cout<<"\n\nRoll number="<<s[i].roll\_no;  cout<<"\nName="<<s[i].name;  cout<<"\nPercentage="<<s[i].per;  }  }  getch();  } | Output:-  Enter data for five students:-  Enter roll number:-1  Enter name:-aaa  Enter Percentage:-60  Enter roll number:-2  Enter name:-bbb  Enter Percentage:-75  Enter roll number:-3  Enter name:-ccc  Enter Percentage:-90  Enter roll number:-4  Enter name:-ddd  Enter Percentage:-80  Enter roll number:-5  Enter name:-eee  Enter Percentage:-65  Details of student with highest percentage:-  Roll number=3  Name=ccc  Percentage=90 |

Program:-2

Write a program to declare structure book having data members book\_id, book\_name and price. Accept and display this data for 3 objects.

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| Program:-  #include<iostream.h>  #include<conio.h>  struct book  {  int book\_id,price;  char name[10];  };  void main()  {  struct book b[3];  int i;  clrscr();  cout<<"\n Enter data for three books:-";  for(i=0;i<3;i++)  {  cout<<"\n Enter book id :-";  cin>>b[i].book\_id;  cout<<"\n Enter name :-";  cin>>b[i].name;  cout<<"\n Enter book price :-";  cin>>b[i].price;  }  cout<<"\n\n Accepted data:- ";  for(i=0;i<3;i++)  {  cout<<"\n Book id="<<b[i].book\_id;  cout<<"\n Book name="<<b[i].name;  cout<<"\n Book price= "<<b[i].price;  }  getch();  } | Output:-  Enter data for three books:-  Enter book id :-1  Enter name :-OOP  Enter book price :-200  Enter book id :-2  Enter name :-DBM  Enter book price :-300  Enter book id :-3  Enter name :-MTH  Enter book price :-250  Accepted data:-  Book id=1  Book name=OOP  Book price= 200  Book id=2  Book name=DBM  Book price= 300  Book id=3  Book name=MTH  Book price= 250 |