28. **Execute program to display data of three students using structure data type**

include <stdio.h>

struct student

{ char name[50];

int roll;

float marks;

} s[3];

int main()

{ int i;

printf("Enter information of students:\n");

for(i=0; i<3; ++i)

{

s[i].roll = i+1;

printf("\nFor roll number%d,\n",s[i].roll);

printf("Enter name: ");

scanf("%s",s[i].name);

printf("Enter marks: ");

scanf("%f",&s[i].marks);

printf("\n");

}

printf("Displaying Information:\n\n");

for(i=0; i<3; ++i)

{ printf("\nRoll number: %d\n",i+1);

printf("Name: ");

puts(s[i].name);

printf("Marks: %.1f",s[i].marks);

printf("\n");

}

return 0;

}

30.Execute program to display data of one student with address using structure with in structure data type

#include<stdio.h>

struct address

{

char city[20];

int pin;

char phone[14];

};

struct student

{

char name[20];

int rollno;

struct address add;

};

void main()

{

struct student std;

printf(“enter student information?\n”);

scanf(“%s%d%s%d%s”);

std.name,std.rollno,std.add.city,std.add.pin,std.add.phone;

printf(“printing student info:\n”);

printf(“name:%s\nrollno:%d\ncity:%s\npincode:%d\nphone:\n”,std.name,std.rollno,std.add.city,std.add.pin,std.add.phone);

}

32. Execute a program to display data of one student using pointers in structure data type

#include <stdio.h>

struct student

{

char name[30];

int roll;

float perc;

};

int main()

struct student std;

struct student \*ptr;

ptr= &std;

printf("Enter details of student :: \n");

printf("\nEnter Name of student :: ");

scanf("%s",ptr->name);

printf("\nEnter Roll No of student :: ");

scanf("%d",&ptr->roll);

printf("\nEnter Percentage of student :: ");

scanf("%f",&ptr->perc);

printf("\nEntered details of student are :: \n");

printf("\nName : %s \n\nRollNo: %d \n\nPercentage: %.02f\n\n",ptr->name,ptr->roll,ptr->perc);

return 0;

}

33.Execute program to display Even series using For loop

#include <stdio.h>

#include <stdlib.h>

Int main()

{

Int i,num;

Printf(“Print all even number until\n”);

Scanf(“%d”,&num);

Printf(“Even number from 1 to %d are\n”,num);

For(i=1; i<=num; i++){

If(i%2==0)

{

Printf(“%d\n”,i);

}

}

Return 0;

{

61. Check whether the given number is palindrome or not

#include <stdio.h>

Int main()

Int n, reversed = 0, remainder, original;

Printf(“Enter an integer: “);

Scanf(“%d”, &n);

    Original = n;

    While (n != 0) {

        Remainder = n % 10;

        Reversed = reversed \* 10 + remainder;

        N /= 10;

    }

    If (original == reversed)

Printf(“%d is a palindrome.”, original);

    Else

Printf(“%d is not a palindrome.”, original);

    Return 0;

}