# **Practical 04**

1.

int main()

{

int x;

printf("Enter a Number : ");

scanf("%d",&x);

if (x%2 ==0 ){

printf("%d is a even number",x);

}

else{

printf("%d is a odd number",x);

}

}

int main()

{

int x,remain;

printf("Enter a Number : ");

scanf("%d",&x);

remain = x%2;

switch (remain)

{

case 0:

printf("%d is an even number.",x);

break;

default:

printf("%d is an odd number",x);

break;

}

}

2.

int main()

{

int no1,no2,sum,sub,multi;

int operation;

float div;

printf("Enter a Number : ");

scanf("%d",&no1);

printf("Enter another Number : ");

scanf("%d",&no2);

printf("Enter an operation \n 1.Addition(+)\n 2.Substraction(-)\n 3.Multiply(\*)\n 4.Division(/)\n");

scanf("%d",&operation);

sum = no1 + no2;

sub = no1 - no2;

multi = no1 \* no2;

div = (float)no1/no2;

switch (operation){

case 1:

printf("%d is the output",sum);

break;

case 2:

printf("%d is the output",sub);

break;

case 3:

printf("%d is the output",multi);

break;

case 4:

printf("%.2f is the output",div);

break;

}

}

3.

#include <stdio.h>

#include <stdlib.h>

#define PI (3.141592653589793)

int main()

{

float radius,volume,circum,area;

int opt;

printf("Enter the radius of the circle : ");

scanf("%f",&radius);

printf("What you want? \n 1.Area of the circle\n 2.Circumference of the circle\n 3.Volume of a sphere\n");

scanf("%d",&opt);

circum = 2 \* PI \* radius;

area = PI \* radius \* radius;

volume = 4/3 \* PI \* radius \* radius \* radius;

switch (opt){

case 1:

printf("%f",circum);

break;

case 2:

printf("%f",area);

break;

case 3:

printf("%f",volume);

break;

}

}

4.

int main()

{

char letter;

printf("Enter a Letter - ");

scanf("%c",&letter);

switch (letter)

{

case 'a':

case 'e':

case 'i':

case 'o':

case 'u':

printf("%c is a vowel letter.",letter);

break;

default:

printf("%c is not a vowel letter.",letter);

break;

}

}

5.

#include <stdio.h>

#include <stdlib.h>

int main()

{

int month\_no;

printf("Enter the month number : ");

scanf("%d",&month\_no);

switch(month\_no){

case 1:

case 3:

case 5:

case 7:

case 8:

case 10:

case 12:

printf("31 days");

break;

case 2:

printf("28 days");

break;

case 4:

case 6:

case 9:

case 11:

printf("30 days");

break;

default:

printf("Not a valid month number");

break;

}

}