**PRACTICAL NO:04**

01)

#include <stdio.h>

int main()

{

int x,remainder;

printf("Enter the number");

scanf("%d",&x);

remainder=x%2;

switch(remainder)

{

case 1:printf("%d is an odd number",x);break;

case 0:printf("%d is an even number",x);break;

}

}

02)

#include <stdio.h>

int main()

{

int x,y,sum,sub,multi,operation;

float div;

printf("Enter the number");

scanf("%d",&x);

printf("Enter another number");

scanf("%d",&y);

printf("Select an operation \n 1.Addition(+) \n 2.Subtraction(-) \n 3.Multiplication(\*) \n 4.Division(/) \n");

scanf("%d",&operation);

sum=x+y;

sub=x-y;

multi=x\*y;

div=(float)x/y;

switch(operation)

{

case 1:printf("%d",sum);break;

case 2:printf("%d",sub);break;

case 3:printf("%d",multi);break;

case 4:printf("%f",div);break;

}

}

03)

#include <stdio.h>

int main()

{

int x,operation;

float circ,area,volume,radius,pi=3.1459;

printf("Enter the radius");

scanf("%f",&x);

printf("Select an operation \n 1.Circumference of the circle \n 2.Area of the circle \n 3.Volume of the sphere\n");

scanf("%d",&operation);

circ=2\*pi\*x;

area=pi\*x\*x;

volume=4/3\*pi\*x\*x\*x;

switch(operation)

{

case 1:printf("%.2f",circ);break;

case 2:printf("%.2f",area);break;

case 3:printf("%.2f",volume);break;

}

}

04)

#include <stdio.h>

int main()

{

char ch;

printf("Enter the letter");

scanf("%c",&ch);

switch(ch)

{

case 'a':printf("a is a vowel");break;

case 'e':printf("e is a vowel");break;

case 'i':printf("i is a vowel");break;

case 'o':printf("o is a vowel");break;

case 'u':printf("u is a vowel");break;

default :printf("not a vowel");

}

}

05)

#include <stdio.h>

int main()

{

int no;

printf("Enter the month no:");

scanf("%d",&no);

switch (no)

{

case 1:printf("31");break;

case 2:printf("28");break;

case 3:printf("31");break;

case 4:printf("30");break;

case 5:printf("31");break;

case 6:printf("30");break;

case 7:printf("31");break;

case 8:printf("31");break;

case 9:printf("30");break;

case 10:printf("31");break;

case 11:printf("30");break;

case 12:printf("31");break;

}

}