Practical-04

Q1

#include<stdio.h>

int main()

{

int n1,value;

printf("Enter integer number: ");

scanf("%d",&n1);

value=n1%2;

if(value==0)

{

printf("%d is even number\n",n1);

}

else

{

printf("%d is odd number\n",n1);

}

}

Q2

#include<stdio.h>

int main()

{

int n1,n2;

char operator;

printf("Enter your number: ");

scanf("%d",&n1);

printf("Enter your number: ");

scanf("%d",&n2);

printf("Enter your operator: ");

scanf(" %c",&operator);

switch (operator)

{

case '+':printf("Value is: %d \n",n1+n2);

break;

case '-':printf("Value is: %d \n",n1-n2);

break;

case '/':printf("Value is: %d \n",n1/n2);

break;

case '\*':printf("Value is: %d \n",n1\*n2);

break;

default:printf("Invalid operator \n");

}

return 0;

Q3

#include<stdio.h>

int main()

{

float Radius,Circumference,Area,volumesphere;

char desire;

printf("Enter the radius value: ");

scanf("%f",&Radius);

printf("Enter the desired(Ex:C for Circumference,A for Area,V for volume of a sphere): ");

scanf("%s",&desire);

switch (desire)

{

case 'C':

case 'c':printf("Enter Circumference Value= %.2f\n",2\*3.14159\*Radius);

break;

case 'A':

case 'a':printf("Enter Area Value= %.2f\n",3.14159\*(Radius\*Radius));

break;

case 'V':

case 'v':printf("Enter volume of a sphere Value= %.2f\n",4.0/3.0\*3.14159\*(Radius\*Radius));

break;

default:printf("Invalid desire/n");

}

return 0;

Q4

#include<stdio.h>

int main()

{

char charactor;

printf("Enter the charactor: ");

scanf("%c",&charactor);

switch (charactor)

{

case 'A':

case 'a':printf("%c is a vowel\n",charactor);

break;

case 'E':

case 'e':printf("%c is a vowel\n",charactor);

break;

case 'I':

case 'i':printf("%c is a vowel\n",charactor);

break;

case 'O':

case 'o':printf("%c is a vowel\n",charactor);

break;

case 'U':

case 'u':printf("%c is a vowel\n",charactor);

break;

default:printf("%c is not vowel\n",charactor);

break;

}

Q5

#include<stdio.h>

int main()

{

int Monthno;

printf("Enter month number: ");

scanf("%d",&Monthno);

switch (Monthno)

{

case 1:

printf("January is 31 days\n");

break;

case 2:

printf("February is 28 days\n");

break;

case 3:

printf("March is 31 days\n");

break;

case 4:

printf("April is 30 days\n");

break;

case 5:

printf("May is 31 days\n");

break;

case 6:

printf("June is 30 days\n");

break;

case 7:

printf("July is 31 days\n");

break;

case 8:

printf("August is 31 days\n");

break;

case 9:

printf("September is 30 days\n");

break;

case 10:

printf("Octomber is 31 days\n");

break;

case 11:

printf("November is 30 days\n");

break;

case 12:

printf("December is 31 days\n");

break;

default: