**Name :Anmol Goyal**

**Roll no : 15**

**Library id: 2224MCA1145**

**Practical – 3: Program to implement switch-case statement**

1. **Write a Program to read two numbers and an operator (+, -, \*, /) which performs the specified operation and display the result.**

#include<stdio.h>

#include<conio.h>

void main()

{

void addition(int,int);

void subtraction(int,int);

void Multiply(int,int);

void Divide(int,int);

int n1,n2;

char operator;

printf("Enter two numbers\n");

scanf("%d%d",&n1,&n2);

fflush(stdin);

printf("Enter operator:");

scanf("%c",&operator);

switch(operator)

{

case '+':addition(n1,n2);

break;

case '-':subtraction(n1,n2);

break;

case '\*':Multiply(n1,n2);

break;

case '/':Divide(n1,n2);

break;

default:printf("Wrong operator choice!");

}

}

void addition(int a,int b)

{

int r;

r=a+b;

printf("Addition sum is %d\n",r);

}

void subtraction(int a1,int b1)

{

int r;

r=a1+b1;

printf("Subtraction sum is %d\n",r);

}

void Multiply(int a2,int b2)

{

int r;

r=a2\*b2;

printf("Multipliaction sum is %d\n",r);

}

void Divide(int a3,int b3)

{

double r;

r=a3/b3;

printf("Division sum :%lf\n",r);

}

1. **Write a program to display the color name according to the code entered. The coding scheme is as follows**

**1: “RED”**

**2: “GREEN”**

**3: “WHITE”**

**4: “YELLOW”**

**5: “ORANGE”**

#include<stdio.h>

#include<conio.h>

void main()

{

int n;

printf("Enter a number:");

scanf("%d",&n);

switch(n)

{

case 1:printf("RED\n");

break;

case 2:printf("GREEN\n");

break;

case 3:printf("WHITE\n");

break;

case 4:printf("YELLOW\n");

break;

case 5:printf("ORANGE\n");

break;

default:printf("Wrong color number");

}

getch();

}

1. **User is going to enter a value from 1 to 12. Month name should be displayed accordingly like 1 – January, 2 – February etc. Write a program for the same.**

#include<stdio.h>

#include<conio.h>

void main()

{

int n;

printf("Enter a number:");

scanf("%d",&n);

switch(n)

{

case 1:printf("January\n");

break;

case 2:printf("February\n");

break;

case 3:printf("March\n");

break;

case 4:printf("April\n");

break;

case 5:printf("May\n");

break;

case 6:printf("June\n");

break;

case 7:printf("July\n");

break;

case 8:printf("August\n");

break;

case 9:printf("September\n");

break;

case 10:printf("October");

break;

case 11:printf("November\n");

break;

case 12:printf("December\n");

break;

default:printf("Wrong Month number");

}

getch();

}

1. **User is going to enter a value from 1 to 7. day of the week should be displayed accordingly like 1 – Monday, 2 – Tuesday etc. Write a program for the same.**

**#include<stdio.h>**

**#include<conio.h>**

**void main()**

**{**

**int n;**

**printf("Enter a number:");**

**scanf("%d",&n);**

**switch(n)**

**{**

**case 1:printf("Monday\n");**

**break;**

**case 2:printf("Tuesday\n");**

**break;**

**case 3:printf("Wednesday\n");**

**break;**

**case 4:printf("Thursday\n");**

**break;**

**case 5:printf("Friday\n");**

**break;**

**case 6:printf("Saturday\n");**

**break;**

**case 7:printf("Sunday\n");**

**break;**

**default:printf("Wrong day number");**

**}**

**getch();**

**}**