

### **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 results.**

```
#include <stdio.h>

#include<conio.h>

void main()
{
    char ch;
    int a,b;
    printf("enter one operator and two no.:");
    scanf("%c",&ch);
    scanf("%d%d",&a,&b);
    switch(ch)
    {
        case '+':
            printf("sum:%d",a+b);
            break;
        case '-':
            printf("sub:%d",a-b);
            break;
        case '*':
            printf("mul:%d",a*b);
            break;
        case '/':
            printf("div:%d",a/b);
            break;
    }
    Getch();
}
```

2. Write a program to display the color name according to the code entered the code scheme as follows

1: "RED"

2: "GREEN"

3: "WHITE"

4: "YELLOW"

5: "ORANGE"

```
#include <stdio.h>
```

```
void main()
```

```
{
```

```
    char ch;
```

```
    scanf("%c",&ch);
```

```
    switch(ch)
```

```
    {
```

```
        case 'R':
```

```
        printf("RED");
```

```
        break;
```

```
        case 'G':
```

```
        printf("GREEN");
```

```
        break;
```

```
        case 'W':
```

```
        printf("WHITE");
```

```
        break;
```

```
        case 'Y':
```

```
        printf("YELLOW"); break;
```

```
        case 'O':
```

```
        printf("ORANGE"); break;
```

```
        default:
```

```
        printf("thankyou");
```

```
    }
```

```
}
```

3. User is going to enter a value from 1 to 12 month name should be displayed according like 1-JANUARY,2-FEBRUARY etc. write a program for same.

```
#include<stdio.h>
void main()
{
    int a;
    printf("entered a no. between 1 to 12: ");
    scanf("%d",&a);
    switch(a)
    {
        case 1:
            printf("JANUARY"); break;
        case 2:
            printf("FEBRUARY"); break;
        case 3:
            printf("MARCH"); break;
        case 4:
            printf("APRIL"); break;
        case 5:
            printf("MAY"); break;
        case 6:
            printf("JUNE"); break;
        case 7:
            printf("JULY"); break;
        case 8:
            printf("AUGUST"); break;
        case 9:
            printf("SEPTEMBER"); break;
        case 10:
            printf("OCTOBER"); break;
        case 11:
            printf("NOVEMBER"); break;
        case 12:
            printf("DECEMBER"); break;
        default:
            printf("you don't have entered no. between 1 to 12.");
    }
}
```

4. User is going to enter a value from 1 to 7 day of the week should be displayed according like 1-MONDAY,2-TUESDAY etc. WAP for the same.

```
#include<stdio.h>

void main()
{
    int a;

    printf("enter the no. between 1 to 7:");

    scanf("%d",&a);

    switch(a)
    {
        case 1:
            printf("MONDAY"); break;

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

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

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

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

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

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

        default:
            printf("entered no.is not between 1 to 7.");

    }
}
```