

## PRACTICAL 4

01.

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

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("Enter an integer: ");
```

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

```
    if(n % 2 == 0)
```

```
        printf("%d is Even.", n);
```

```
    else
```

```
        printf("%d is Odd.", n);
```

```
    return 0;
```

```
}
```

02.

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

```
int main()
```

```
{
```

```
int n1,n2,opt;
```

```
printf("Enter the first Integer :");
```

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

```
printf("Enter the second Integer :");
```

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

```
printf("\nInput your option :\n");
```

```
printf("1-Addition.\n2-Substraction.\n3-Multiplication.\n4-Division.\n5-Exit.\n");
```

```
scanf("%d",&opt);
```

```
switch(opt) {
```

```
case 1:
```

```
printf("The Addition of %d and %d is: %d\n",n1,n2,n1+n2);
```

```
break;
```

```
case 2:
```

```
printf("The Substraction of %d and %d is: %d\n",n1,n2,n1-n2);
```

```
break;
```

```
case 3:
```

```
printf("The Multiplication of %d and %d is: %d\n",n1,n2,n1*n2);
```

```
break;
```

```
case 4:
```

```
if(n2==0) {
```

```
printf("The second integer is zero. Devide by zero.\n");
```

```
} else {
```

```
printf("The Division of %d and %d is : %d\n",n1,n2,n1/n2);
```

```
}
```

```
break;
case 5:
    break;
default
printf("Input correct option\n");
    break;
} return 0;
}
```

03.

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

```
int main()
```

```
{
```

```
float Pi=3.14, area, circumference, radius;
```

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

```
scanf("%f",&radius);
```

```
area = Pi * radius * radius;
```

```
printf("Area of circle is: %f\n",area);
```

```
circumference = 2 * Pi * radius;
```

```
printf("Circumference of circle is: %f",circumference);
```

```
return 0;}
```



04.

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

```
int main() {
```

```
    char c;
```

```
    int lowercase_vowel, uppercase_vowel;
```

```
    printf("Enter an alphabet: ");
```

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

```
    lowercase_vowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');
```

```
    uppercase_vowel = (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U');
```

```
    if (lowercase_vowel || uppercase_vowel)
```

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

```
    else
```

```
        printf("%c is a consonant.", c);
```

```
    return 0;
```

```
}
```

05.

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

```
int main()
```

```
{
```

```
    int month;
```

```
    int days;
```

```
    printf("Enter month: ");
```

```
    scanf("%d",&month);
```

```
    switch(month)
```

```
    {
```

```
        case 4:
```

```
        case 6:
```

```
        case 9:
```

```
        case 11:
```

```
            days=30;
```

```
            break;
```

```
        case 1:
```

```
        case 3:
```

```
        case 5:
```

```
        case 7:
```

```
        case 8:
```

```
        case 10:
```

```
        case 12:
```

```
            days=31;
```

```
            break;
```

case 2:

days=28;

break;

default:

days=0;

break;

}

if(days)

printf("Number of days in %d month is: %d\n",month,days);

else

printf("You have entered an invalid month!!!\n");

return 0;

}