

- Prog - Assignment - 1

(1) WAP to display "Hello World" on screen.

```
#include <stdio.h>
int main()
{
    printf("Hello World");
    return 0;                                // OUTPUT : Hello World
}
```

(2) WAP to display your biodata.

```
#include <stdio.h>
int main()
{
    printf("Hello Everyone");
    printf("\n This is Anand Raj Tiwari");
    printf("\n I am a CSE student");
    printf("\n My college is BIT");
    return 0;
}
```

(3) WAP to find the area of rectangle.

```
#include <stdio.h>
int main()
{
    int L, B, Area;
    printf("Enter length:");
    scanf("%d", &L);                            // L=4 , B=5
    printf("Enter width:");
    scanf("%d", &B);                            // OUTPUT: Area=20
    Area = L * B;
    printf("\n Area is:%d", Area);
    return 0;
}
```

(4). WAP to find area of a circle.

```
#include <stdio.h>
int main ()
{
    int r, Area ;
    printf ("Enter Radius: ");
    scanf ("%d", &r);                                // r=5
    Area = 3.14 * r * r;                            // OUTPUT : Area = 78
    printf ("Area: %d", Area);
    return 0;
}
```

(5). WAP to enter two numbers & find the sum and average.

```
#include <stdio.h>
int main ()
{
    int a, b ; char sum, avg ;
    printf ("Enter Numbers:\n");
    scanf ("%d %d", &a, &b);
    sum = a + b;                                     // a=2 , b=6
    avg = sum / 2.0;                                 // OUTPUT :
    printf ("Sum: %d", sum);                         sum = 8
    print ("Average: %d", avg);                      Average = 4
    return 0;
}
```

(6). NAP to convert Fahrenheit to Celsius.

```
#include <stdio.h>
int main ()
{
    int F, C;
    printf ("Enter Temp in F:");                     // F = 212
    scanf ("%d", &F);                               // OUTPUT
    C = 5/9.0 * (F - 32);                          Temp. in C = 100
    printf ("\nTemp in C : %d", C);
    return 0;
}
```

(7). WAP to convert Celsius to Fahrenheit.

```
#include <stdio.h>
int main()
{ int C,F;
    printf(" Enter Temp in Celsius:"); // C=100
    scanf("%d", &C); // OUTPUT:
    F = (9*C/5.0) + 32; // Temp in F = 212
    printf(" Temp in Fahrenheit: %d", F);
    return 0; }
```

(8). WAP to swap the values of 2 variables without using 3rd Variable.

```
#include <stdio.h>
int main()
{ float a, b;
    printf(" a="); // a=4 , b=5
    scanf("%f", &a); // OUTPUT:
    printf(" b="); // a=5 , b=4
    scanf("%f", &b);
    a=a+b;
    b=a-b;
    a=a-b;
    printf(" After swapping a=%f and b=%f", a, b);
    return 0; }
```

(9). WAP to find the area of a triangle.

```
#include <stdio.h>
#include <math.h>
int main() { int a, b, c, s; char area; // a=4 , b=5 , c=7
    printf(" Enter Side lengths:"); // OUTPUT:
    scanf("%d %d %d", &a, &b, &c); // area = 9
    s = (a+b+c)/2.0;
    area = sqrt( s*(s-a)*(s-b)*(s-c) );
    printf("\n Area: %d", area);
    return 0; }
```