Print The Hello World In different - different Format in C language.

Do Operations using Arithmetic Operators.

```
#include
void main(){
      int Num1, Num2, Sum, Sub, Mul, Div;
      printf("----Enter The Two Number----\n");
      printf("Enter the First Number:-");
      scanf("%d",&Num1);
      printf("Enter the Second Number:-");
      scanf("%d",&Num2);
      Sum=Num1+Num2;
      Sub=Num1-Num2;
      Mul=Num1*Num2;
      Div=Num1/Num2;
      printf("The Addition of First & Second Number is=%d",Sum);
      printf("\nThe Subtraction of First & Second Number is=%d",Sub);
      printf("\nThe Multiply of First & Second Number is=%d",Mul);
      printf("\nThe Division of First & Second Number is=%d",Div);
}
```

Output

```
----Enter The Two Number----
Enter the First Number: 45
-Enter the Second Number:- 20
The Addition of First & Second Number is=65
The Subustraction of First & Second Number is=25
The Multiply of First & Second Number is=900
The Division of First & Second Number is=2
```

Find the Average of 5 Subject's Marks of a Student's in C language.

```
#include
void main(){
      int Num1, Num2, Num3, Num4, Num5, Average;
      printf("Enter the 5 Subject's Number Of The Student For Calculating
     their Average\n");
      printf("Mathematics Number:-");
      scanf("%d",&Num1);
      printf("English Number:-");
      scanf("%d",&Num2);
      printf("Hindi Number:-");
      scanf("%d",&Num3);
      printf("Science Number:-");
      scanf("%d",&Num4);
      printf("Computer Number:-");
      scanf("%d",&Num5);
     Average=Num1+Num2+Num3+Num4+Num5/5;
      printf("The Average Of 5 Subject's Of Student=%d",Average);
}
Output
      Enter the 5 Subject's Number Of The Student For Calculating their Average
      Mathematics Number:-45
      English Number:-65
      Hindi Number:-987
      Science Number:-2 78
      Computer Number:-58 85
      The Average Of 5 Subject's Of Student=303
```

Swap two values.

```
#include<stdio.h>

int main() {
    int num1, num2;
    printf("Enter the first number: ");
    scanf("%d", &num1);
    printf("Enter the second number: ");
    scanf("%d", &num2);
    printf("Original numbers: num1 = %d, num2 = %d\n", num1, num2);
    int temp;
    temp = num1;
    num1 = num2;
    num2 = temp;
    printf("Swapped numbers: num1 = %d, num2 = %d\n", num1, num2);
    return 0;
}
```

Output

Enter the first number: 45
Enter the second number: 12

Original numbers: num1 = 45, num2 = 12 Swapped numbers: num1 = 12, num2 = 45

Find the Average of 5 Subject's Marks of a Student's in C language.

```
#include<stdio.h>
int main() {
    float base, height;
    printf("Enter the base of the triangle: ");
    scanf("%f", &base);
    printf("Enter the height of the triangle: ");
    scanf("%f", &height);
    float area = 0.5 * base * height;
    printf("The area of the triangle is: %f\n", area);
    return 0;
}
```

Output

Enter the base of the triangle: 42 Enter the height of the triangle: 42 27 The area of the triangle is: 567.000000

Find the Area of a Triangle.

```
#include<stdio.h>
int main() {
    int a,b,c;
    printf("Enter the value of Length:");
    scanf("%d",&a);
    printf("Enter the value of Breath:");
    scanf("%d",&b);
    c=a*b;
    printf("The area of rectangle is:%d",c);
    return 0;
}
```

Output

Enter the value of Length:7 Enter the value of Breath:5 The area of rectangle is:35

Program to find square root.

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

int main() {\
    double num;
    printf("Enter a number: ");
    scanf("%lf", &num);
    double result = sqrt(num);
    printf("The square root of %.2lf is %.2lf\n", num, result);
    return 0;
}
```

Output

Enter the value of Length:7 Enter the value of Breath:5 The area of rectangle is:35

Program to find area and perimeter of circle.

```
#include<stdio.h>
int main()
{
    int Number; double Area,Perimeter;
    printf("Enter the value of Radius:- ");
    scanf("%d",&Number);
    Area=3.14*(pow(Number,2));
    printf("\nThe area of circle is :=%0.2lf",Area);
    Perimeter=3.14*2*Number; printf("\nThe Perimeter of Circle is:=%0.2lf",Perimeter);
    return 0;
}
```

Output

Enter the value of Radius:- 45
The area of circle is := 6358.50
The Perimeter of Circle is := 282.60

Program to find Simple interest.

```
#include<stdio.h>
int main() {
    float principal, rate, time;
    printf("Enter the principal amount: ");
    scanf("%f", &principal);
    scanf("%f", &rate);
    printf("Enter the time (in years): ");
    scanf("%f", &time);
    float simpleInterest = (principal * rate * time) / 100;
    printf("Simple Interest: %.2f\n", simpleInterest);
    return 0;
}
```

Output

Enter the principal amount: 45000

Enter the rate of interest 6 Enter the time (in years): 2 Simple Interest: 5400.00

Program to find area of triangle using Heron's Formula.

```
#include<stdio.h>
int main() {
    int a,b,c; float d,s;
    printf("Note one side should be greater than two.\n");
    printf("Enter the value of First side of triangle:");
    scanf("%d",&a);
    printf("Enter the value of second side of triangle:");
    scanf("%d",&b);
    printf("Enter the value of third side of triangle:");
    scanf("%d",&c);
    s=(a+b+c)/2.0;
    d=sqrt(s*(s-a)*(s-b)*(s-c));
    printf("The area of triangle using heron's formula is:%0.2f",d);
    return 0;
}
```

Output

Note one side should be greater than two.
Enter the value of First side of triangle:5
Enter the value of second side of triangle:7
Enter the value of third side of triangle:8
The area of triangle using heron's formula is:17.32