PRACTICAL 1

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

     int main()
    {
       printf("Amaya Dangalla \n");printf("Rajasinghe
       central collage Ruwanwella \n"); return 0;

    }
    ```

```c
#include <stdio.h>

int main()
{
    printf("*\n");
    printf("**\n");
    printf("***\n");
    printf("****\n");
    printf("*****\n");

    return 0;
}
```

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

int main()
{
    int inte = 5 ;
    float flo = 4.5 ;
    char charact = 'A';
    double doub = 5.6 ;

    printf ("integer = %d\n",inte);
    printf("float = %f\n",flo);
    printf("character = %c\n",charact);
    printf("double = %f\n",doub);


    return 0;
}
```

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

   int main()
   {
     int num1,num2,total;
     printf("Enter number:");
     scanf("%d",&num1);
     printf("Enter number:");
     scanf("%d",&num2);

     total = (num1+num2);

     printf("%d + %d \n",num1,num2);
     printf("Total = %d \n",total);



     return 0;
   }
```

5 .#include<stdio.h>

```c
int main()
{
    int num1,num2,Total;
    float Average;

    printf("Enter First Number:");
    scanf("%d",&num1);
    printf("Enter Second Number:");
    scanf("%d",&num2);
    Total  =  (num1+num2);
    printf("%d + %d \n",num1,num2);
    printf("Total = %d \n",Total);

    Average =(Total/2);
    printf("Average is %f ",Average);

    return 0;
}
```



```c
1    #include<stdio.h>
2    int main()
3    {
4        int num1,num2,Total;
5        float Average;
6
7        printf("Enter First Number:");
8        scanf("%d",&num1);
9        printf("Enter Second Number:");
10       scanf("%d",&num2);
11       Total = (num1+num2);
12       printf("%d + %d \n",num1,num2);
13       printf("Total = %d \n",Total);
14
15       Average =(Total/2);
16       printf("Average is %f ",Average);
17
18       return 0;
19   }
20
```

```
Enter First Number:20
Enter Second Number:30
20 + 30
Total = 50
Average is 25.000000
Process returned 0 (0x0)    execution time : 6.532 s
Press any key to continue.
```

```c
6. #include<stdio.h>
   int main()
   {
        char Name[50];
        int birthyear,currentyear,Age;

        printf("Enter Your Name : ");
        scanf("%s",&Name);
        printf("Enter Your Birth Year : ");
        scanf("%d",&birthyear);
        printf("Enter Current Year :");
        scanf("%d",&currentyear);
        Age = (currentyear-birthyear);

        printf("Name is %s and Age is %d \n ",Name,Age);


        return 0;
   }
```

```c
7. #include<stdio.h>
   int main()
   {
        int no1,no2,no3;

        printf("Enter First Number :");
        scanf("%d",&no1);
        printf("Enter Second Number:");
        scanf("%d",&no2);

        no3 = no1;
        no1 = no2;
        no2 = no3;

        printf("After Swapping First Number : %d \n",no1);
        printf("After Swapping Second Number : %d \n",no2);

        return 0;
   }
```

8.
```c
#include<stdio.h>
main()
{
printf("The color: %s\n", "blue");// "%s"shown as "blue"value

printf("First number: %d\n", 12345); // "%d" shown as"12345"value

printf("Second number: %04d\n", 25);//Output shows Four values

printf("Third number: %i\n", 1234);//Output shows the same value
that enterd

printf("Float number: %3.2f\n", 3.14159);//This float number
limits 2 decimals

printf("Hexadecimal: %x\n", 255);//show the Hexadecimal value of
255

printf("Octal: %o\n", 255);//show the octal value

printf("Unsigned value: %u\n", 150);//show the value same as the
input

printf("Just print the percentage sign %%\n", 10);// show the %
mark
}
```