Tutorial 01

Q1

```c
#include <stdio.h>
int main()
{
    char n1,n2;
    printf("Enter Your name");
    scanf("%d",&n1);
    printf("Enter Your school\n");
    scanf("%d,n2");
}
```

Q2

```c
#include <stdio.h>

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

Q3

```c
#include <stdio.h>

int main()
{
    int integer;
    float inputfloat;
    double inputdouble;
    char inputchar;

    printf("enter a integer value\n");
    scanf("%d",&integer);
    printf("enter a float value\n");
    scanf("%f",&inputfloat);
    printf("enter double value\n");
    scanf("%lf",&inputdouble);
    printf("enter char value\n");
    scanf("%c",&inputchar);

    printf("\n integer value you entered is:%d",integer);
    printf("\n float value you entered is :%f",inputfloat);
    printf("\n double value you entered is :%lf",inputchar);
    printf("\n char value you entered is :%c",inputchar);
```

```
}
```

Q4

```c
#include <stdio.h>
int main(void)
{
    int no1,no2 = 0,total;
    printf("Enter First Number");
    scanf("%d",&no1);
    printf("Enter Second Number");
    scanf("%d",&no2);
    total=no1+no2;
    printf("The Total IS %d \n",total);
}
```

Q5

```c
#include <stdio.h>

int main()
{
    float no1,no2=0,average;
    printf("enter first number\n");
    scanf("%f",&no1);
    printf("enter second number\n");
    scanf("%f",&no2);
    (average=no1),no2;

    printf("the average is%f\n",average);

}
```

Q6

```c
#include <stdio.h>

int main()
{
    int byear,age;
    printf("enter birth year\n");
    scanf("%d",&byear);
    age=2023-byear;
    printf("age is %d\n",age);
}
```

Q7

```c
#include <stdio.h>
int main()
{
    int a,b,temp;
    printf("enter first n second value");
    scanf("%d",&a,&b);
    printf("before swap: a=%d and b=%d\n",a,b);
    temp=a;
    a=b;
    b=temp;
    printf("after swap: a=%d and b=%d\n",a,b);


}
```

Tutorial 02

Q1

```c
#include <stdio.h>
int main()
{
    int age;
    printf("hi,how old are you");
    scanf("%d",&age);
    printf("\n\n");
    printf("Welcome 20\n Lets be friends");
}
```

Q2

```c
#include <stdio.h>
#include<math.h>
int main()

{
    int no1,no2,power;
    printf("fist number\n");
    scanf("%d",&no1);
    printf("%f",pow(2,no1));
    printf("\nsecond number");
    scanf("%d3",&no2);
    printf("%f",pow(2,no2));


    return 0;
}
```

Q3

```c
#include <stdio.h>

int main()
{
    float speed,distance,time = 0.0;
    printf("enter distance of car: \n");
    scanf("%f",&distance);
    printf("enter time taken: \n");
    scanf("%f",&time);
    speed=distance/time ;
    printf("speed travelled bt the car=%f",speed);

}
```

Q4

```c
#include <stdio.h>
int main()
{
    float celsius,fahrenheit;
    printf("Enter temperature in Fahrenheit \n");
    scanf("%f",&fahrenheit);
    celsius=5.0/9.0*(fahrenheit-32);
    printf("\n celsius=%f fahrenheit",celsius,fahrenheit);
}
```