

Tutorial 01

```
#include<stdio.h>

int main()
{
    //Q2
    printf("1. Diyana Fernando \nPushpadana College\n\n");

    //Q2
    printf("2. *\n");
    printf("  **\n");
    printf("   ***\n");
    printf("    ****\n");
    printf("     *****\n\n\n");

    //Q3
    int inte;
    char chara;
    float floatt;
    double doubl ;

    printf("3. Integer");
    scanf("%d",&inte);
    printf("\n");
    printf("Character");
    scanf("%d",&chara);
    printf("\n");
    printf("Float");
```

```
scanf("%f",&floatt);  
printf("\n");  
printf("Double");  
scanf("%f",&doubl);  
printf("\n\n");  
printf("Display %d,%d,%f,%f",inte,chara,floatt,doubl);  
printf("\n\n");
```

//Q4

```
int number1,number2,total;  
printf("4.Enter number 1 ");  
scanf("%d",&number1);  
printf("Enter number 2");  
scanf("%d",&number2);
```

```
total=(number1+number2);
```

```
printf("Total=%d",total);  
printf("\n\n");
```

//Q5

```
float no1,no2,avg;
```

```
printf("5.Enter a number");  
scanf("%f",&no1);  
printf("Enter a number");  
scanf("%f",&no2);
```

```
avg=(no1+no2)/2;
```

```
printf("Average=%f",avg);
```

```
printf("\n\n");
```

```
//Q6
```

```
int age,byear;
```

```
char name[10];
```

```
printf("Enter name");
```

```
scanf("%s",&name);
```

```
printf("Enter birthday");
```

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

```
age=(2023-byear);
```

```
printf("Name is %s",name);
```

```
printf("\n");
```

```
printf("Age is %d",age);
```

```
scanf("");
```

```
//7
```

```
float num1,num2,swap;
```

```
printf("Enter a number=");
```

```
scanf("%f",&num1);
```

```
printf("Enter another number);=");
```

```
scanf("%f",&num2);
```

```
printf("Entered first number before swap=%.2f\n",num1);
```

```
printf("Entered second number before swap=%.2f\n",num2);
```

```
swap=num1;
num1=num2;
num2=swap;

printf("Entered first number after swap=%.2f\n",num1);
printf("Entered second number after swap=%.2f\n\n",num2);

}
```

Tutorial 02

```
#include <stdio.h>

int main()
{
    //Q1
    int age;
    printf("HI, HOW OLD ARE YOU?");
    scanf("%d",&age);
    printf("\n\n");
    printf("Welcome %d\n",age);
    printf("LETS BE FRIENDS!\n\n");

    //Q2
    printf("%5d,%5d,%5d\n",2,4,8);
    printf("%5d,%5d,%5d\n",3,9,27);
    printf("%5d,%5d,%5d\n\n",4,16,64);

    //Q3
```

```
int time,avg;

float dis;

printf("Enter the distance traveled by the car=");

scanf("%f",&dis);

printf("Enter the time taken to arrive to the destination");

scanf("%d",&time);


avg=dis/time;


printf("The average distance traveled by the car=%d ms-1\n\n",avg);


//Q4
int c,f;

printf("Temperature in degrees fahrenheit=");

scanf("%d",&f);


c=(5/9)*(f-32);


printf("Temperature in degree celsius=%d",c);


}


}
```

