Assignment 2

//1. **Find the price of item when discount is given (specify different discount based on price)**

```c
#include<stdio.h>
void main(){
   int price=8000,discount;
 float dis_price,dis_price1;
if(price>=10000)
  {
     discount=50;
  }
  else if(price>=7000){
     discount=40;
  }
  else if(price>=3000){
     discount=25;
  }
  else{
     printf("No discount apply on %d price !\n",price);
  }


  dis_price=((price*discount)/100);
  dis_price1=price-dis_price;
  printf("Discount apply %d Percent\n",discount);
  printf("Discounted Price Will be:%f",dis_price1);
}
```

//2. **Write a program to find greatest of three numbers using nested if-else.**

```c
#include<stdio.h>
void main(){
   int a=100,b=20,c=30;


   if(a>b){
      if(a>c)
```

```c
        printf("%d is greater",a);
    else
    printf("%d is gretaer");
  }
  else{
    if(b>c)
    printf("%d is greater",b);
    else
    printf("%d is greater",c);
  }
}
```

// 3. Accept two numbers from user and an operator (+,-,/,*,%) based on that perform the desired operations.

```c
#include<stdio.h>
void main(){
  int num1=10,num2=20;
  char ch='-';
  float op;

  if(ch=='+')
  {
    op=num1+num2;
  }
  else if(ch=='-'){
    op=num1-num2;
  }
  else if(ch=='/')
  {
    op=num1/num2;
  }
  else if (ch=='%')
```

```c
        {
            op=num1%num2;
        }
        else{
            printf("No any Choice ");
        }
        printf("Answer will be %f",op);
}
```

/*4. Display a menu to the user (like 1.Even Odd 2. Basic salary etc), ask the user to enter his choice,then
based on that perform the desired operations. */

```c
#include<stdio.h>
void main(){
    int num1=1000;
    float final_op;
    char ch ='2';

    printf("Choices are :\n 1.Even -odd\n2.Salary\n");

    if(ch=='1')
    {
        if(num1%10==0)
            printf("%d is even",num1);
        else
        printf("%d is odd",num1);
    }
    else if(ch=='2')
    {
        int da=150;
        int hra=45;
        int basic_sal=da+hra+num1;
        printf("Basic Salary Will be %d",basic_sal);
    }
```

```c
        else
        printf("No choice selected");
}


/*5. Accept the price from user. Ask the user if he is a student (user may say yes or no). If he is a student and
he has purchased more than 500 than discount is 20% otherwise discount is 10%.But if he is not a student
then if he has purchased more than 600 discount is 15% otherwise there is not discount. */


#include<stdio.h>
int main()
{
    float price=800, discount,dis_price;
    char Student='y';

    if (Student == 'y'||Student == 'Y')
    {
        if (price > 500)
            discount = 20;
        else
            discount = 10;
    }
    else
    {
        if (price > 600)
            discount = 15;
            else
            printf("No discount aaply on %f\n",price);
    }
    printf("Discount will be %f percent\n",discount);
    dis_price=((price*discount)/100)-price;
    printf("Discounted Price will be %f",dis_price);
}
```