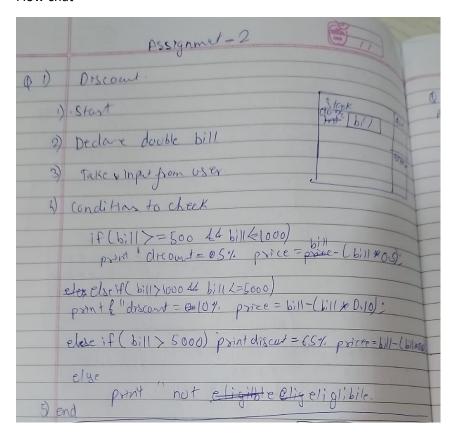
Q1. Find the price of item when discount is given (specify different discount based on price)

Code:

```
#include<stdio.h>
//Find the price of item when discount is given (specify different discount
based onprice)
void main(){
   double bill;
    printf("Enter Your Bill amaount: ");
    scanf("%lf", &bill);//1200
    if(bill>=500 && bill<=1000)printf("you will get of 5%% so Total price to
be paid is %.21f",bill-(bill*0.05));
    else if(bill>1000 && bill<=5000) printf("you will get of 10%% so Total
price to be paid is %.21f",bill-(bill*0.10));
    else if(bill>5000 && bill<=10000) printf("you will get of 25%% so Total
price to be paid is %.21f",bill-(bill*0.25));
    else if(bill>15000 && bill<=20000) printf("you will get of 55%% so Total
price to be paid is %.21f",bill-(bill*0.55));
    else if(bill>20000) printf("you will get of 65%% so Total price to be paid
is %.21f",bill-(bill*0.65));
   else{
        printf("you are not eliglibe :(");
    }
```

Flow chat



Assignment 2(C) FBS id: FRN-06J0624/036

Q2. Write a program to find greatest of three numbers using nested if-else

Code:

```
#include<stdio.h>
//Write a program to find greatest of three numbers using nested if-else.
void main(){
   int a,b,c;
   printf("enter values: ");
    scanf("%d %d %d",&a,&b,&c);
    if(a>b && a>c) printf("greater is %d",a);
   else if(b>a && b>c) printf("greater is %d",b);
    else printf("greater is %d",c);
```

## Flow Chart

1) Start into 196 Heap  a) destreinta, b, C  3) Take input from usy:  (condition exact heak') if (a>b lfa>c) print "aidion about the point "aidion about the point "bis big";  s) end print "c is green."	02)	1 largest number	Stack) intalged	19000
a) Obelire inta, b, ( 3) Take Input from usy.  (and the will be ( as I de )	)	Start	1n+6 195]	Heap
and the William I all and the will	1	Take input from usy.		
s) end print "c is green"	4)	Concerting start has 11 10 0 11	Rfazc) print	'a isbig"
	5)	end print "c is great."	7 013 019	

Q3. Accept two numbers from user and an operator (+,-,/,\*,%) based on that perform the desired operations.

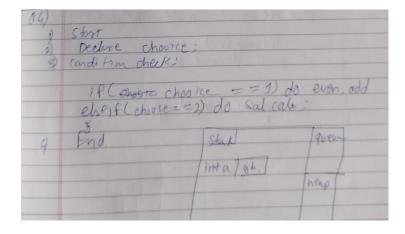
```
//Accept two numbers from user and an operator (+,-,/,*,\%) based on that
perform the desiredoperations.
#include<stdio.h>
void main(){
   int a, b;
   char op;
   printf("Enter any two number: ");
   scanf("%d %d", &a, &b);
   printf("\nwhat operation do you want to perform: ");
   fflush(stdin);
   scanf("%c", &op);
   if(op == '+') printf("you do %c the answer is %d",op,a+b);
   else if(op == '-') printf("you did %c the answer is %d",op,(a-b));
   else if(op == '/') printf("you did %c the answer is %d",op,(a/b));
   else if(op == '*') printf("you did %c the answer is %d",op,(a*b));
   else if(op == '%') printf("you did %c the answer is %d",op,(a%b));
   else printf("enter vaild value");
```

(3). Po 1	Stant	95 book Intafb (2), charap [30]	que 1+20
9	Declare int a, 6%, char of	0	
3)	Take input from user	a, b, op:	
5)	Condition check		
	1) If ( op = = ' + ' ) 2 print elever f ( op = = '+') print else if ( op = = '+') print ax	t "at b;	
3	else if Cop == 141 print ax 4) else if Cop == 141 print 5) else if Cop == 11) print Use ("entervall" op"	a 4.6;	
5)	end enervall op?	719	

Q4. 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.

## Code:

```
#include<stdio.h>
//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.
void main(){
   int choice;
    printf("what do you want to do\n1.Even odd\n2.Basic salary: ");
    scanf("%d", &choice);
    if(choice == 1){
printf("Your have choice even odd\nenter number you want to find is even or
odd: ");
        int odd; scanf("%d", &odd);
odd%2==0?printf("is even number"):printf("is odd number");
    }else if (choice ==2)
    printf("You choose salary \nenter sal: ");
    int basic ;scanf("%d",&basic);
    float da, ta, hra, sal;
    if(basic <= 5000){
       da = basic* 0.15;
       ta = basic * 0.20;
       hra = basic * 0.25;
       sal = basic + (da+ta+hra);
    else{
        da = basic* 0.15;
       ta = basic * 0.25;
       hra = basic * 0.30;
        sal = basic + (da+ta+hra);
    printf("your sal is %.2f",sal);
```



Q5 . 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>
void main(){
    float bill;
    char student ;
    printf("if you are student enter y else n:" );
   scanf("%c",&student);
   if(student == 'y' || student == 'Y' ){
    fflush(stdin);
    printf("you are student\nEnter amount: ");
    scanf("%f", &bill);
    if(bill> 500) printf("You will get discount of 20%% that is
%.2f",(bill*0.20));
    else printf("You will get discount of 10% that is %.f",(bill*0.10));
   else if (student=='n' || student =='N')
    printf("Your are not a student\nEnter amount: ");
    scanf("%f", bill);
    if(bill>600) printf("You will get discount of 15% that is
%f",(bill*0.15));
   else printf("invalid input");
```

```
Start

) Start

) Deduce bith flow bill; char studen;

3) take input from user.

2) it condition check

if (student='g' 11 student== 'g')

if (bill > 500)

print "you get 201 discours

else if (student== 'n 14 AF student== 'N

if (bill > 600)

print " discourt 151.

else print "invald input.
```