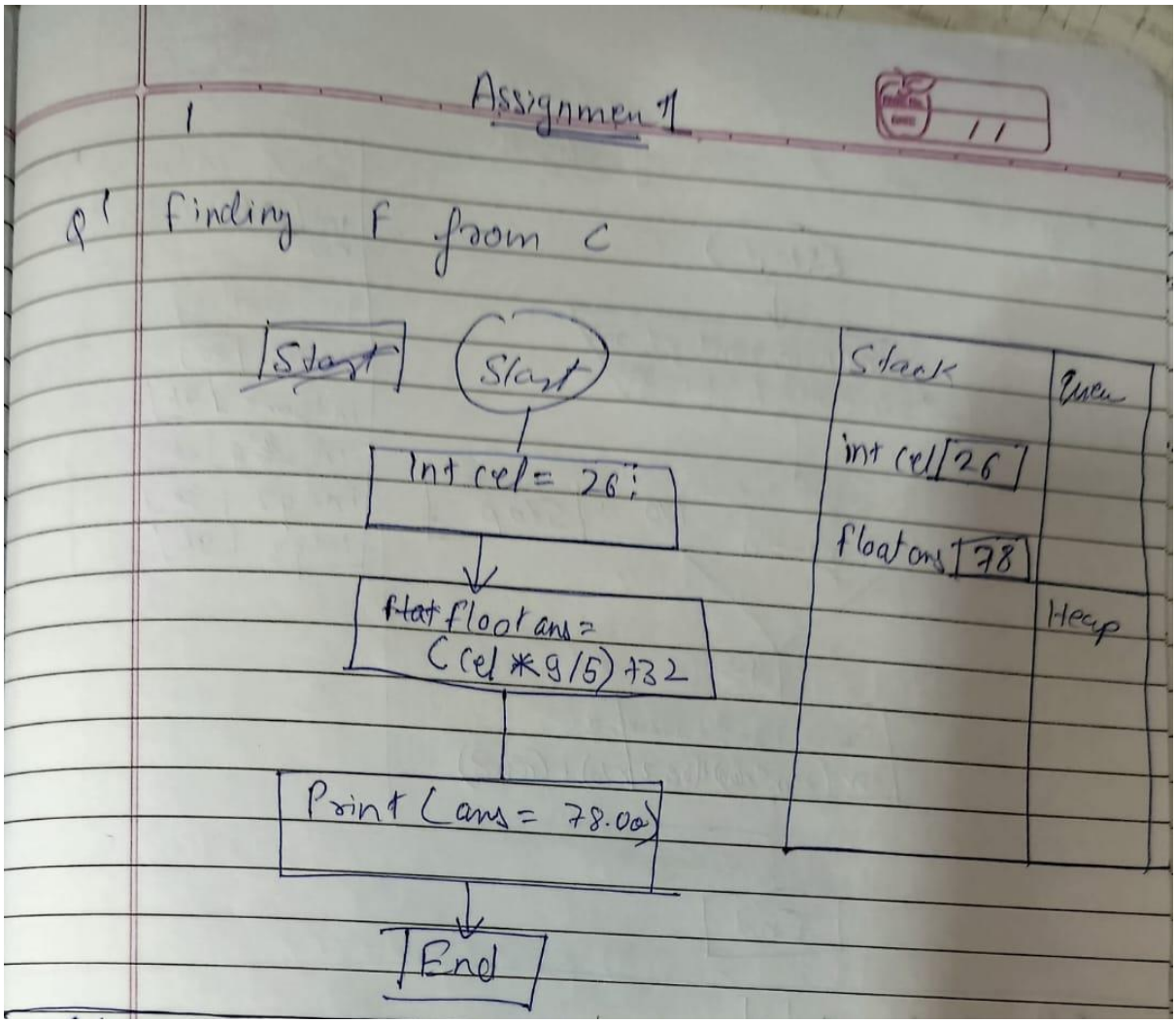
1. Finding F from C (temp)

Code:

```c
#include<stdio.h>
//Finding F from C (temp).
void main(){
 int cel= 26;
 float ans = (cel *9/5)+32;
 printf("ans : %f F",ans);

}
```

Flow chart

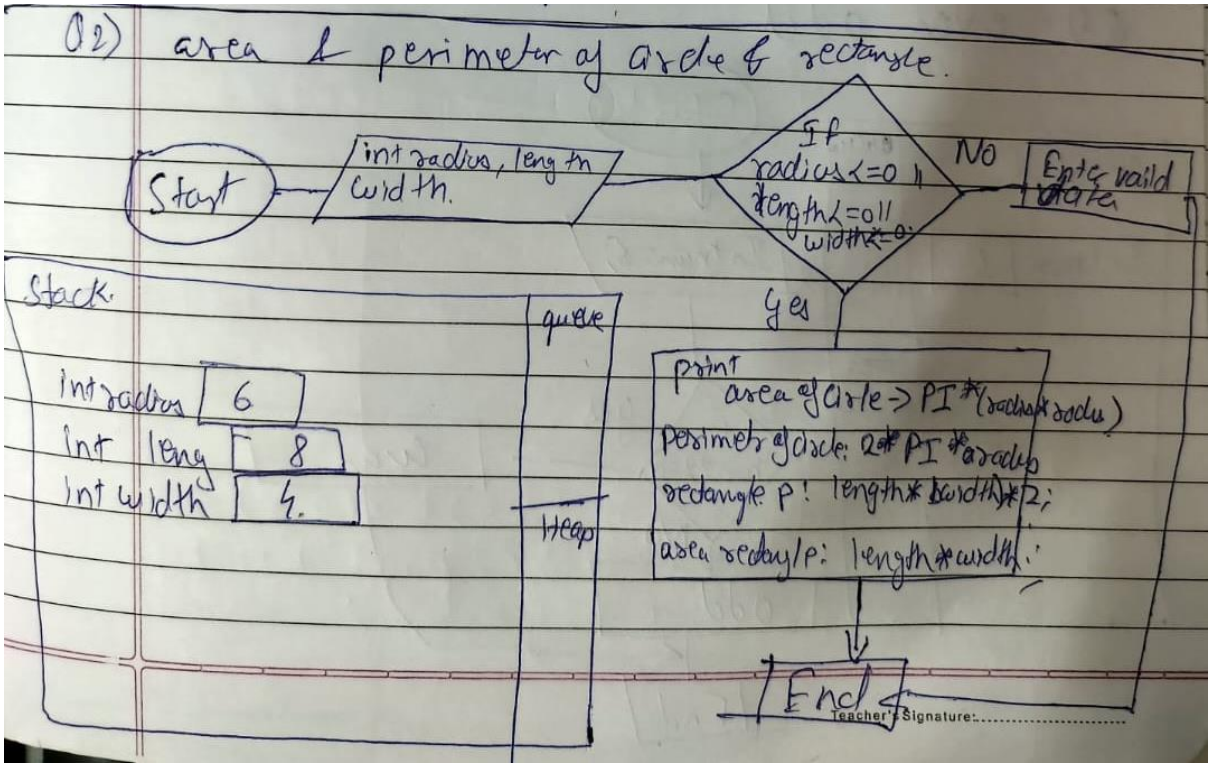


Q2. Finding area and perimeter of rectangle or circle.

Code:

```c
//Finding area and perimeter of rectangle or circle.

#include<stdio.h>
const float PI = 3.14;
void main(){
    int radius=6; // radius of circle
    int length = 8; // length of rect
    int width = 4; // width of react
    //float Carea, Cperimeter, Rarea, Rperimeter;
    if(radius<=0 || length<=0 || width<=0){
        printf("enter value");
    }
    else{
        printf(" area of circle : %.2f\n",PI*(radius*radius));
        printf("perimeter of circle: %.2f\n",2*PI*radius);
        printf("preimeter of reactangle: %.2f\n", (length+width)*2);
        printf("area of reactangle: %.2f\n",length * width);

    }
}
```

Flow Chart

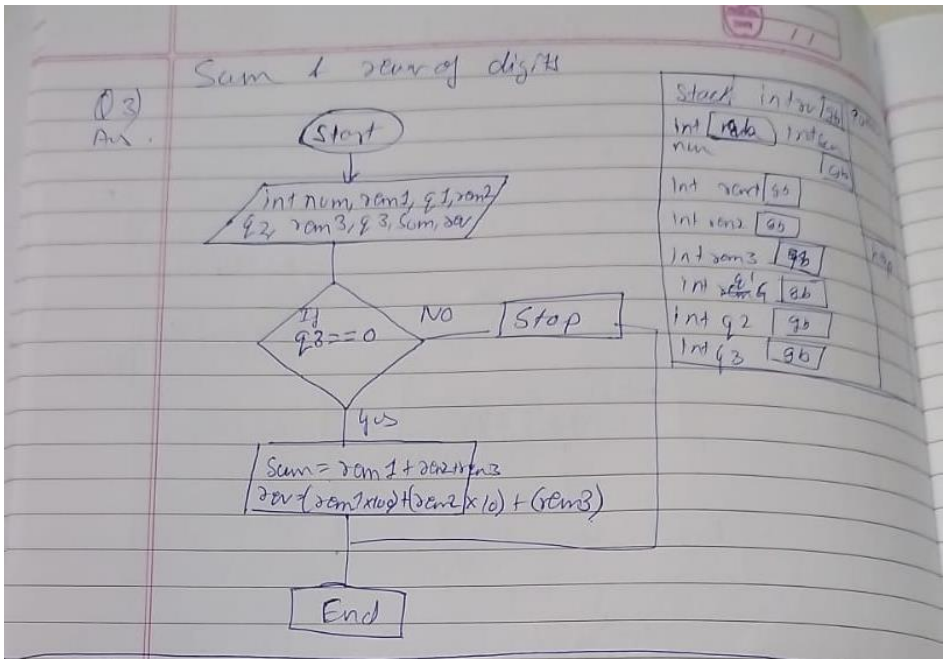


Q3. Accept a 3 digit number from user and find the sum of the digits and also reverse the number

Code:

```c
#include<stdio.h>

void main(){
    int num = 125;
    int rem1= num%10;
    int q1= num/10;
    int rem2 = q1%10;
    int q2 = q1/10;
    int rem3 = q2%10;
    int q3 = q2/10;
    int sum = 0;
    int rev = 0;

    if(q3==0){
        sum = rem1+rem2+rem3;
        rev = (rem1*100)+ (rem2*10)+ (rem3);

    printf("sum: %d\nReverse: %d",sum, rev);


}
```

Flow Chart

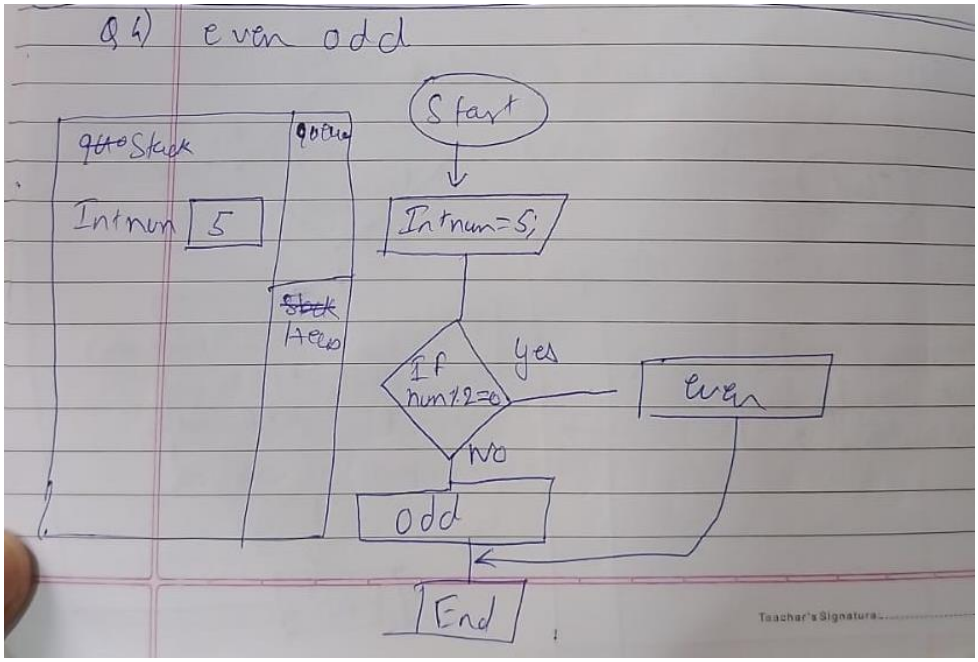


Q4. Check if the given number is even or odd.

Code:

```c
#include<stdio.h>
void main(){
    int num =5;
    if(num%2==0){
        printf("it's a even number");
    }
    else{
        printf("odd number");
    }
}
```

Flow Chart

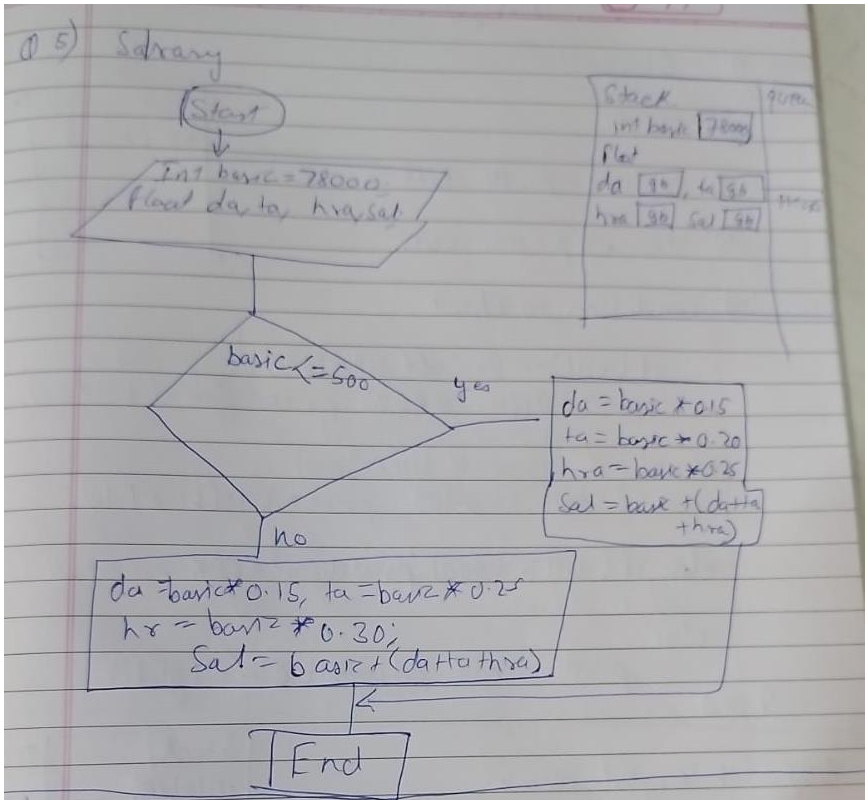


Q5. Calculating total salary based on basic. If basic <=5000 da, ta and hra will be 10%,20% and 25% respectively otherwise da, ta and hra will be 15%,25% and 30% respectively.

Code

```
#include<stdio.h>
void main(){
    int basic = 78000;
    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);

}
```

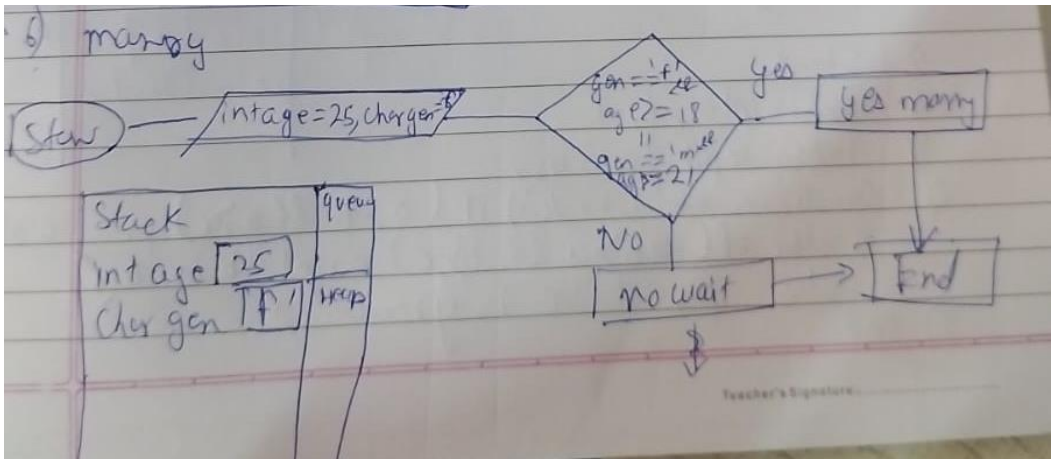
Flow Chart



Q6. Write a program to check if person is eligible to marry or not (male age >=21 and female age>=18).

```c
//Write a program to check if person is eligible to marry or not (male age
>=21 and female age>=18).
#include<stdio.h>
void main(){
    int age = 54;
    char gender= 'f';
    if((gender=='f' && age>= 18) || (gender=='m' && age >=21)){
        printf("go marray");
    }
    else
    {
        printf("no you cannot marry");
    }

}
```

Flow chart



Git Link to assignment : https://github.com/Kiran-Jadhav200/first-bit-solution/tree/main/c/Assignments/assign_1