Assignment No.1

Q.1 Finding F from C(temp)

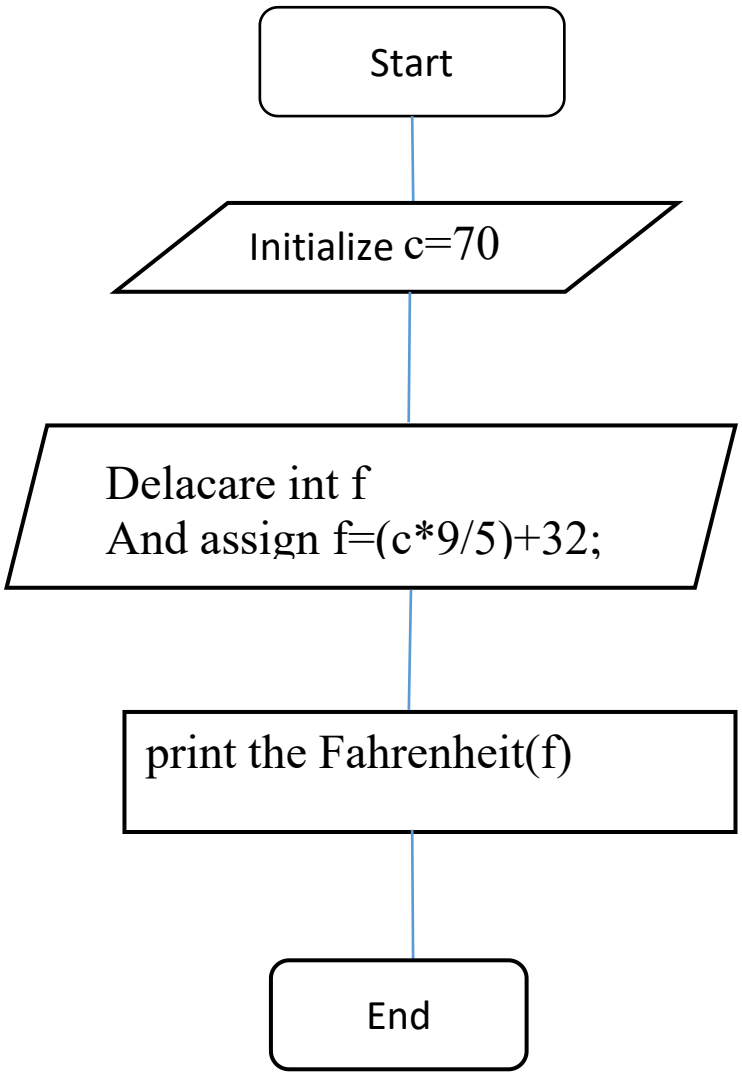
Code:-

```
#include<stdio.h>

void main(){
    int c=70;
    int f=(c*9/5)+32;  //3

    printf("Fahrenheit = %d \n",f);
}
```

Algorithm:-

Step1:- Start
Step2:- Initialize c=70
Step3:- Delacare int f
And assign f=(c*9/5)+32;
Step4:- print the Fahrenheit(f)
Step5:- End

Flowchart :-


Start
Initialize c=70
Delacare int f
And assign f=(c*9/5)+32;
print the Fahrenheit(f)
End

Assignment No.2

This is assignment Number 1 Q2. Area of rectangle and Circle

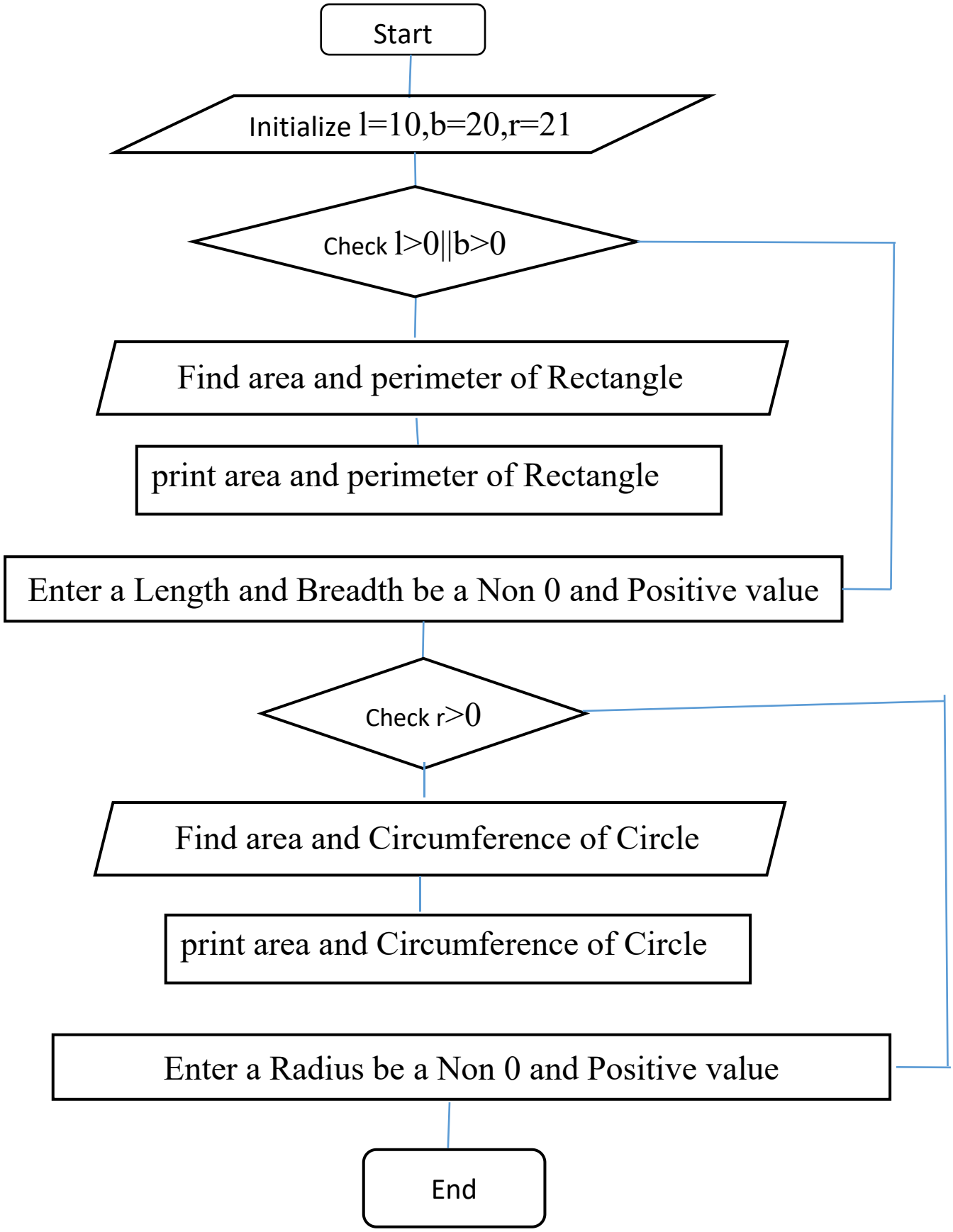
Code:-

```
#include<stdio.h>

void main(){
   int l=10,b=20,r=21;
   if(l>0||b>0){
      int P=2*(l+b);
            int A=b*l;
      printf("Area of Rectangle = %d and Perimeter = %d
\n",A,P);
      }
   else{
      printf("Enter a Length and Breadth be a Non 0 and
Positive value ");
      }
      if(r>0){
      int AC=2*(22/7)*r;
            int C=2*r;
      printf("Area of Circle = %d and Perimeter
= %d",AC,C);
      }
   else{
      printf("Enter a Radius be a Non 0 and Positive value
");
      }

}
```

Algorithm:-

Step1:- Start
Step2:- Initialize length=10,breadth=20,radius=21
Step3:- Check values of length and breadth are positive or non 0 if not show message value be >0
Step4:- if condition is true the find the perimeter(2*(l+b)) Area(l*b)
Step5:- print the area and perimeter of Rectangle
Step6:- Check values of Radius positive or non 0
Step7:- if condition is true the find Circumference(2*Pi+r)) Area(2*r)
Step5:- print the area and Circumference of Circle.
Step5:- End

Flowchart :-


Start
Initialize l=10,b=20,r=21
Check l>0||b>0
Find area and perimeter of Rectangle
print area and perimeter of Rectangle
Enter a Length and Breadth be a Non 0 and Positive value
Check r>0
Find area and Circumference of Circle
print area and Circumference of Circle
Enter a Radius be a Non 0 and Positive value
End

Assignment No.3

This is assignment Number 1 Q3.Sum of digit and reverse num

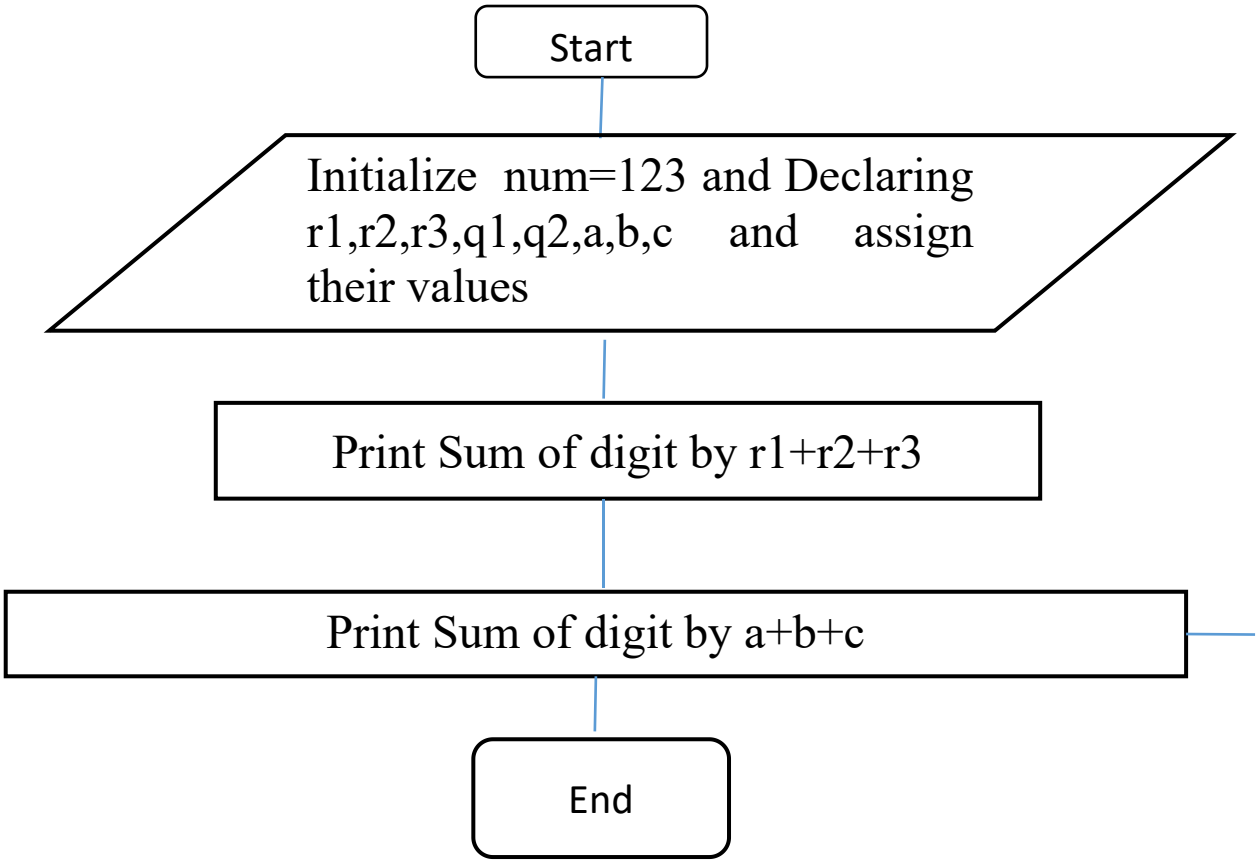
Code:-

```
#include<stdio.h>

void main(){
    int num=123;
    int r1=num%10;  //3
    int q1=num/10;  //12
    int r2=q1%10;  //2
    int q2=q1/10;   //1
    int r3=q2%10;  //1
    int a=r1*10*10;
    int b=r2*10;
    int c=r3*1;
    printf("Sum of Digits = %d \n",r1+r2+r3);
    printf("Reverse of Digits = %d",a+b+c);
}
```

Algorithm:-

Step1:- Start
Step2:- Initialize num=123
Step3:- Declaring r1,r2,r3,q1,q2,a,b,c and assign their values
Step4:- Print Sum of digit by r1+r2+r3
Step5:- Print Sum of digit by a+b+c
Step6:- End

Flowchart :-


Start
Initialize num=123 and Declaring r1,r2,r3,q1,q2,a,b,c and assign their values
Print Sum of digit by r1+r2+r3
Print Sum of digit by a+b+c
End

Assignment No.4

This is assignment Number 1 Q4.Find even odd number

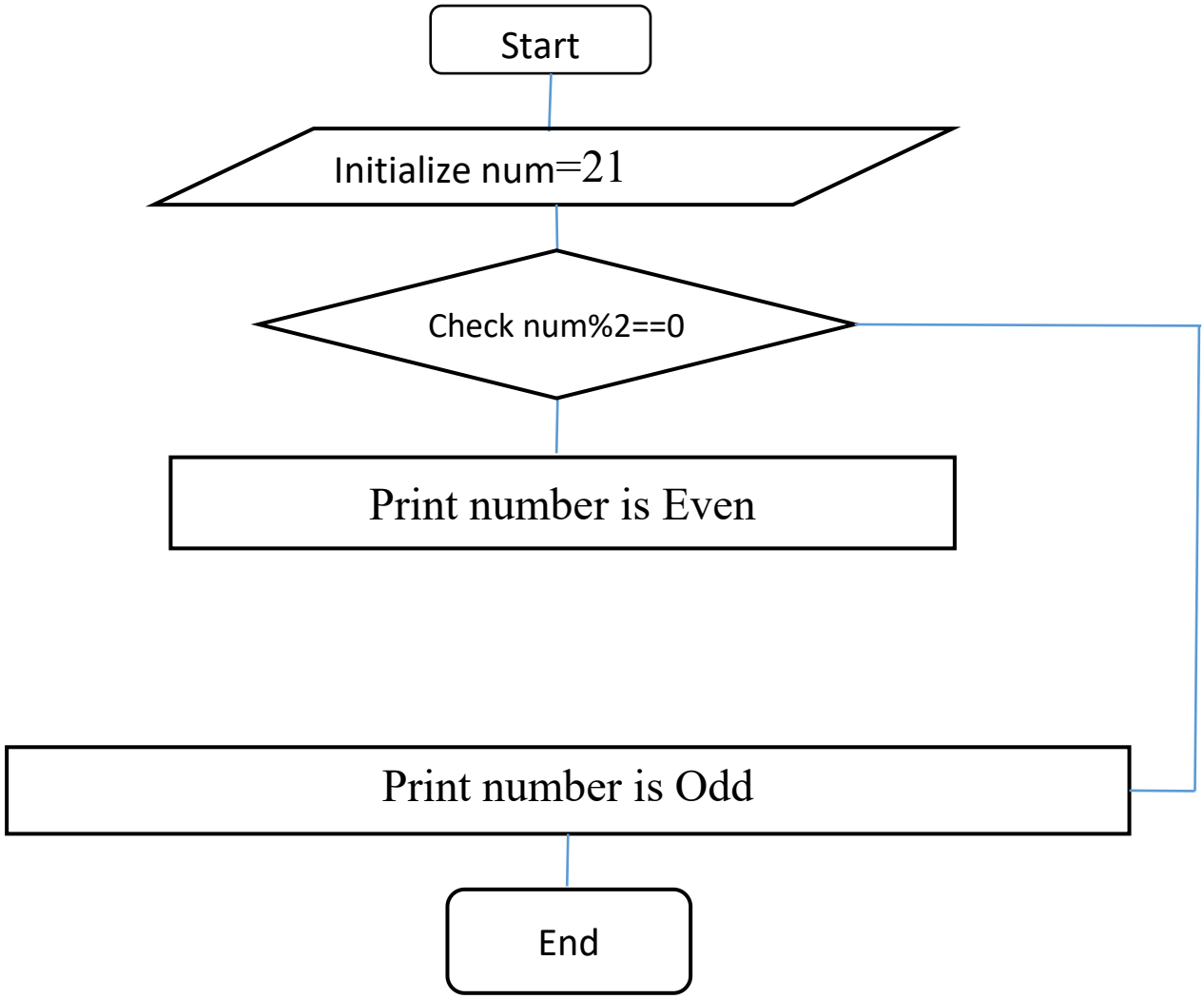
Code:-

```
#include<stdio.h>

void main(){
   int num=21;
   if(num%2==0){
      printf("This is Even number = %d \n",num);
      }
   else{
      printf("This is Odd number = %d \n",num);
      }

}
```

Algorithm:-

Step1:- Start
Step2:- Initialize num=21
Step3:- Check Check the number is Even or Odd
Step4:- if condition(num%2==0) is true then Print
        number is Even
Step5:- else print number is Odd
Step6:- End

Flowchart :-


Start
Initialize num=21
Check num%2==0
Print number is Even
Print number is Odd
End

Assignment No.1

Q5.Calculating total salary based on basic.

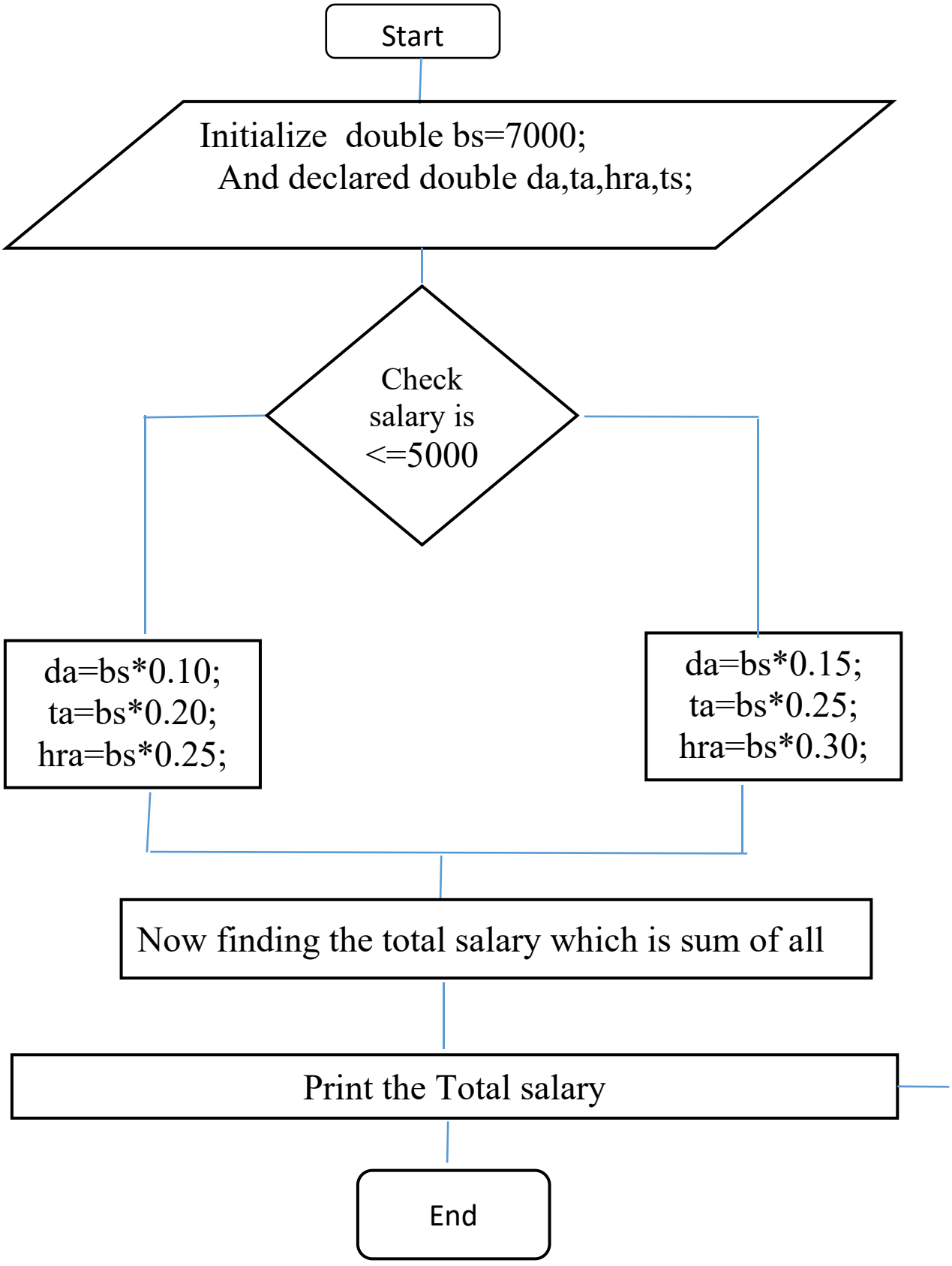
Code:-

```
#include<stdio.h>

void main(){
    double bs=7000;
    double da,ta,hra,ts;
    if(bs<=5000){
        da=bs*0.10;
        ta=bs*0.20;
        hra=bs*0.25;
        }
    else{
        da=bs*0.15;
        ta=bs*0.25;
        hra=bs*0.30;
        }
        ts=bs+da+ta+hra;
        printf("Total salary is %2f \n and their salary is %2f \n and da is %2f,\n ta is %2f,\n hra is %2f ",ts,bs,da,ta,hra);

}
```

Algorithm:-

Step1:- Start
Step2:- Initialize double bs=7000;
And declared double da,ta,hra,ts;
Step3:- Check the Basic salary is Less than or equal to 5000.
Step4:- if there must be true then calculate
da=bs*0.10;
ta=bs*0.20;
hra=bs*0.25;
Or not then
da=bs*0.15;
ta=bs*0.25;
hra=bs*0.30;
Step5:- Now finding the total salary which is sum of all
Step6:- Print the Total salary
Step7:- End

Flowchart :-


Start
Initialize double bs=7000;
And declared double da,ta,hra,ts;
Check
salary is
<=5000
da=bs*0.10;
ta=bs*0.20;
hra=bs*0.25;
da=bs*0.15;
ta=bs*0.25;
hra=bs*0.30;
Now finding the total salary which is sum of all
Print the Total salary
End

Assignment No.6

This is assignment Number 1 Q6. Check eligible for marry or not

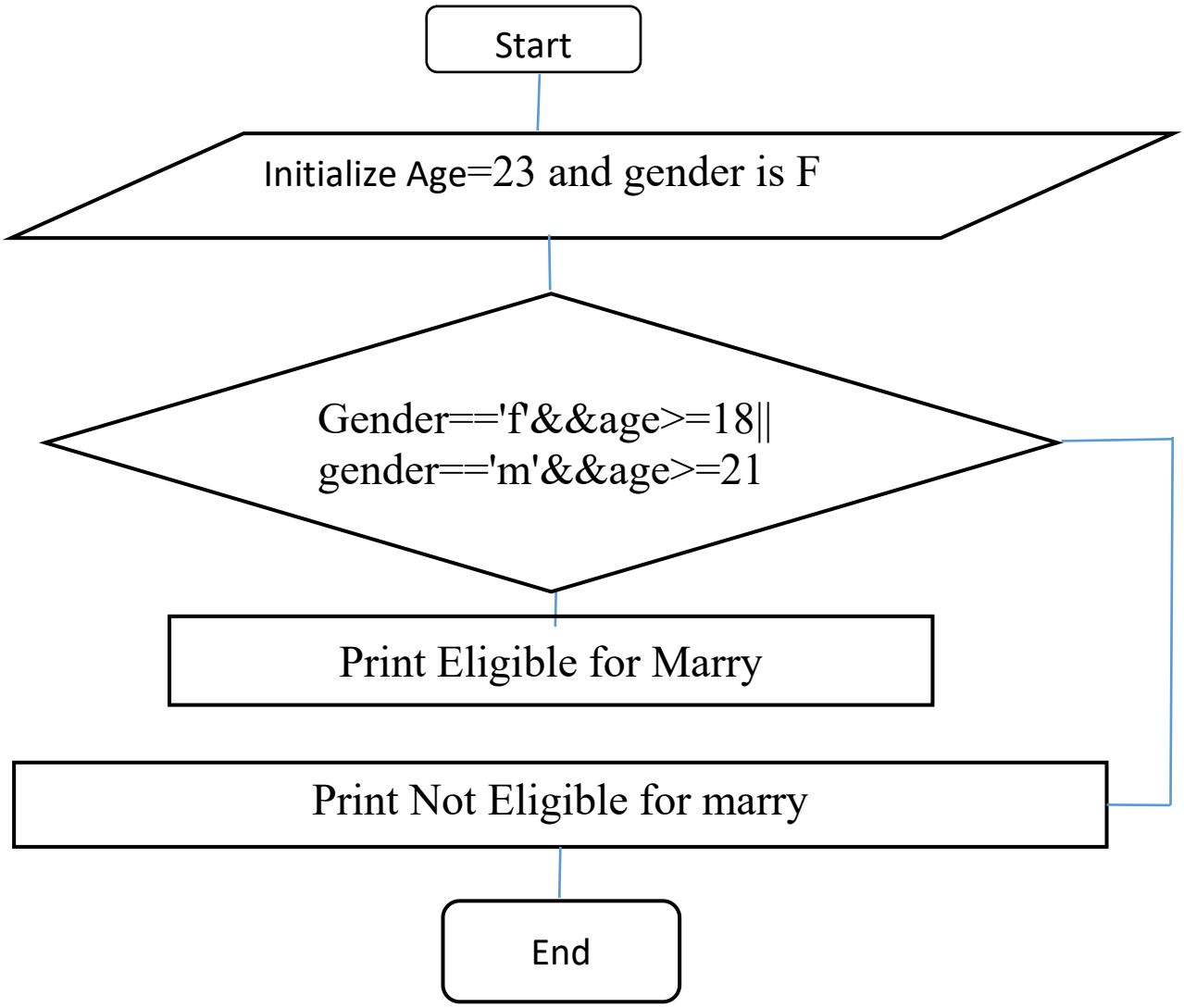
Code:-

```
#include<stdio.h>
void main(){
	int age=23;
	char gender='f';
	if(gender=='f'&&age>=18||gender=='m'&&age>=21)
{
		printf("Eligible for Marry");
	}
	else{
	printf("Eligible for Marry");
	}

}
```

Algorithm:-

Step1:- Start
Step2:- Initialize Age=23 and gender= F
Step3:- Check Check the gender and age is M Age
		greater than 21 or F and Age greater than 18
Step4:- if condition is true then Print Eligible for marry
Step5:- else print Not Eligible for marry
Step6:- End

Flowchart :-


Start
Initialize Age=23 and gender is F
Gender=='f'&&age>=18||
gender=='m'&&age>=21
Print Eligible for Marry
Print Not Eligible for marry
End