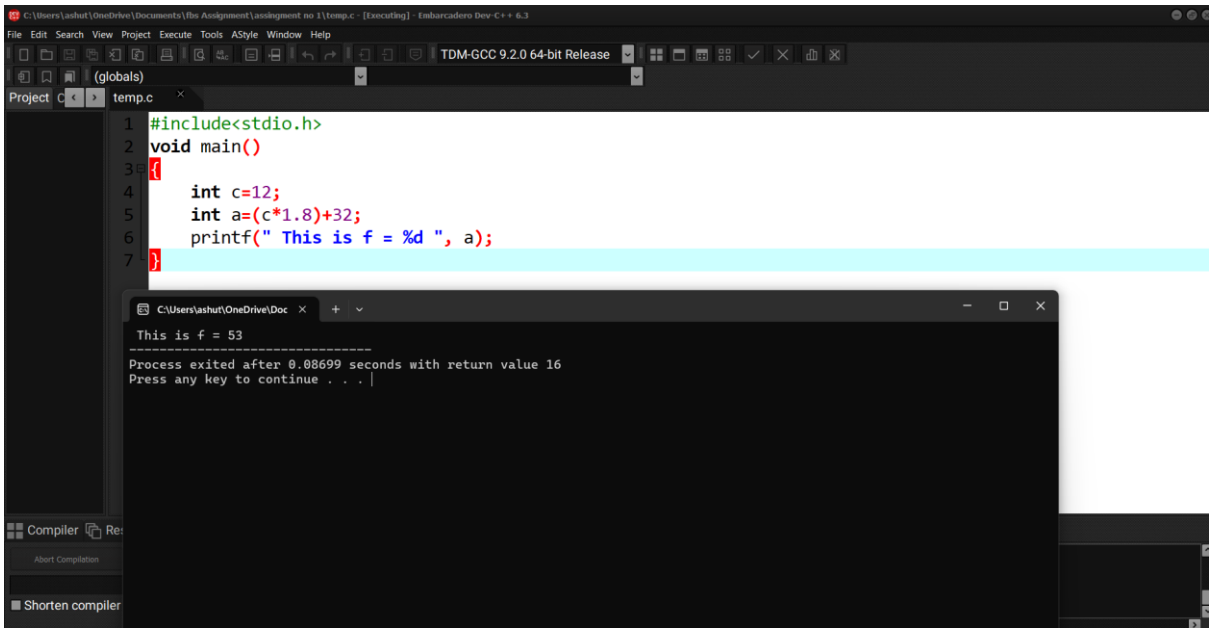
Assignment 1

1)Finding F from C (temp).

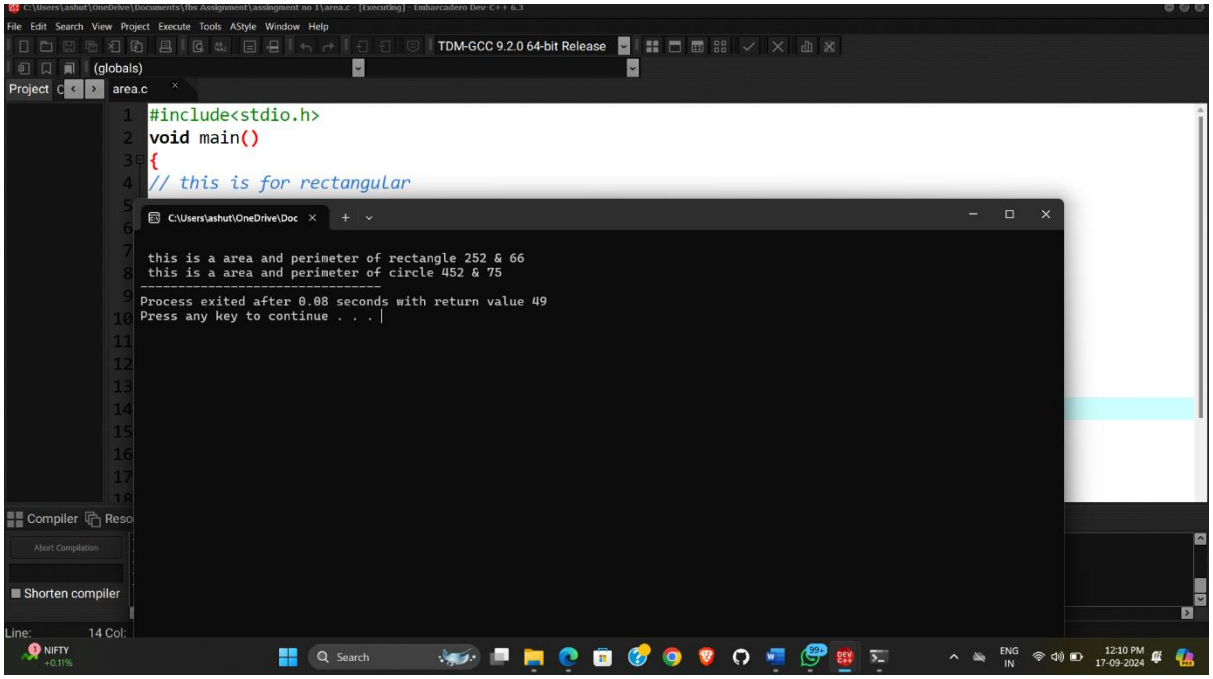
```
 #include<stdio.h>
void main()
{
        int c=12;
        int a=(c*1.8)+32;
        printf(" This is f = %d ", a);
}
```



2 Finding area and perimeter of rectangle or circle.

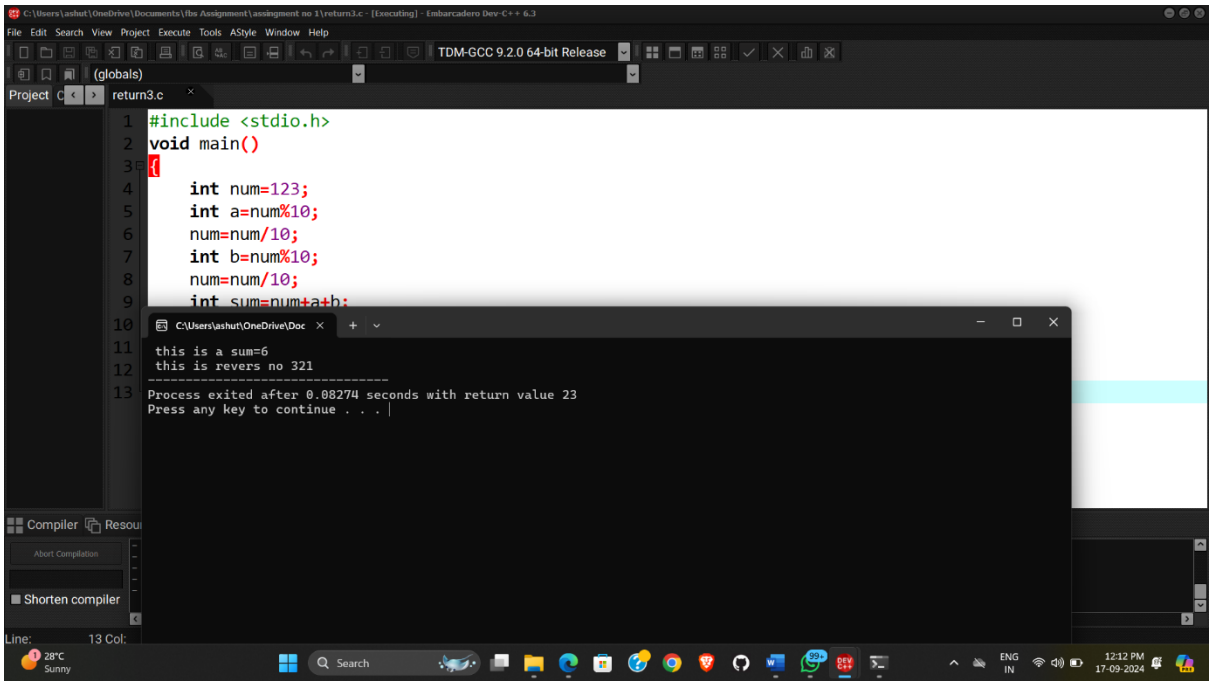
```
#include<stdio.h>
void main()
{
// this is for rectangular
```

```
int length=12;
int width=21;
int area=length*width;
int perimeter=2*(length+width);
printf("\n this is a area and perimeter of rectangle %d & %d ",area,perimeter);


//this is for circle
 int r=12;
 int rea=3.14*(r*r);

int pe=2*3.14*r;

printf("\n this is a area and perimeter of circle %d & %d",rea,pe);

}
```



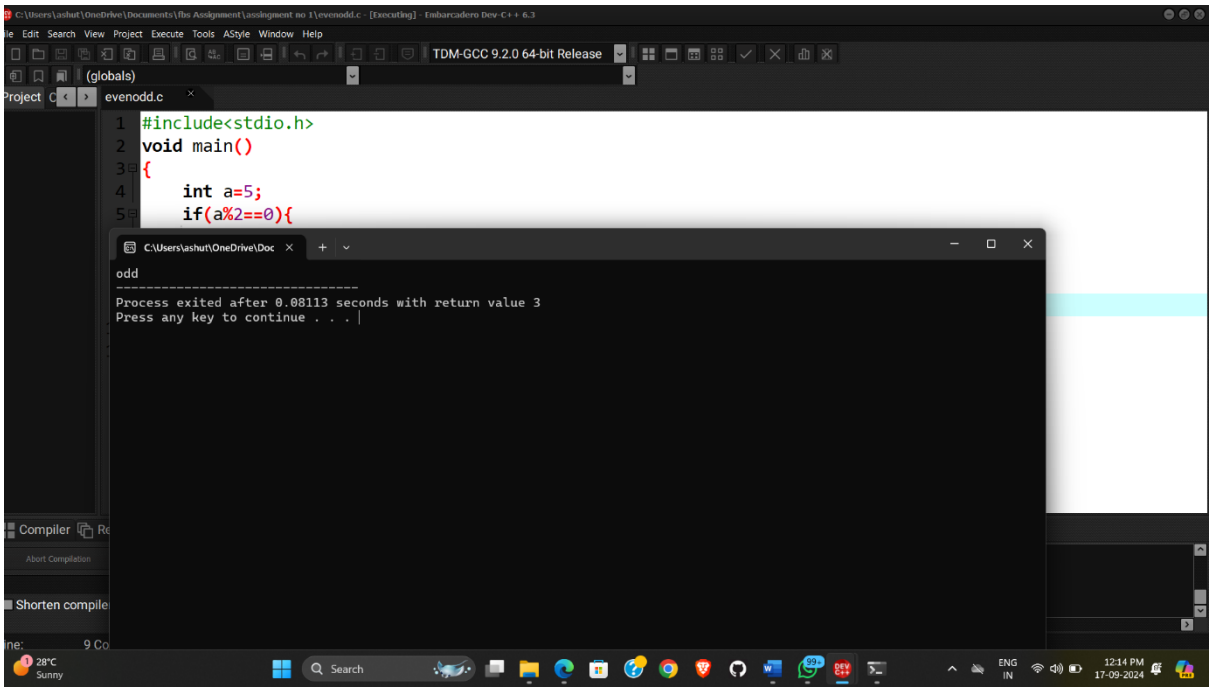
3 Accept a 3 digit number from user and find the sum of the digits and also reverse the number

```
#include <stdio.h>

void main()

{

        int num=123;

        int a=num%10;

        num=num/10;

        int b=num%10;

        num=num/10;

        int sum=num+a+b;

        printf(" this is a sum=%d",sum);

        int a1=(a*100)+(b*10)+num;

        printf("\n this is revers no %d",a1);

}
```



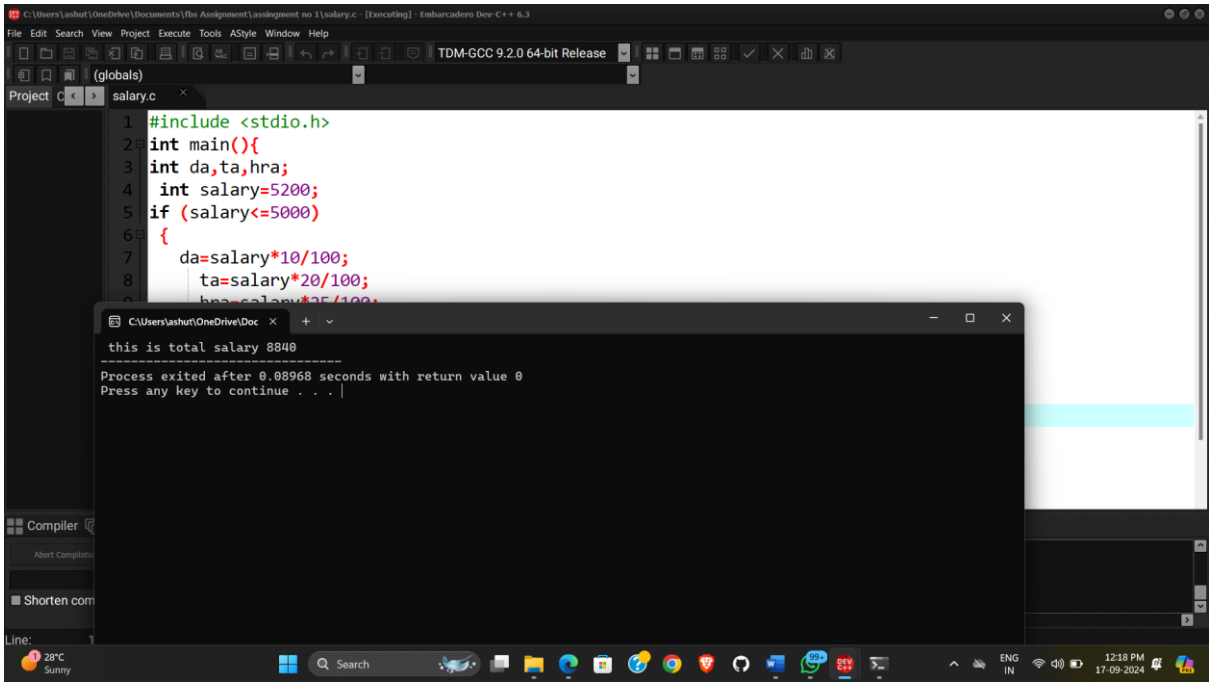
4 Check if the given number is even or odd.

```
#include<stdio.h>

void main()

{

	int a=5;

	if(a%2==0){

		printf("even");

	}

	else{

		printf("odd");

	}

}
```



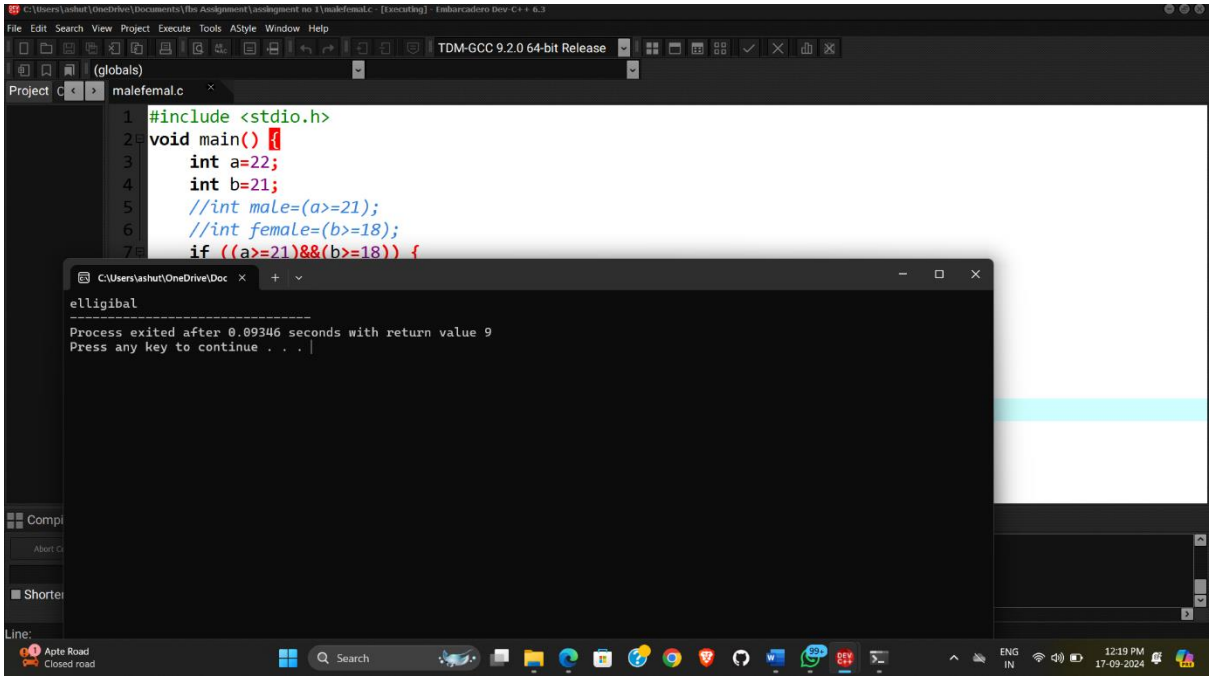
5 Calculating total salary based on basic. If basic <=5000 da, ta and hra will be 10%,20% and 25% respectively otherwise da, ta and hra will be 15%,25% and 30% respectively.

```
#include <stdio.h>
int main(){
int da,ta,hra;
 int salary=5200;
if (salary<=5000)
 {
   da=salary*10/100;
              ta=salary*20/100;
              hra=salary*25/100;
             }
else
             {
              da=salary*15/100;
              ta=salary*25/100;
              hra=salary*30/100;
}
int totals=salary+da+ta+hra;
printf(" this is total salary %d",totals);
}
```



6)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 a=22;

        int b=21;

        //int male=(a>=21);

        //int female=(b>=18);

        if ((a>=21)&&(b>=18)) {

                printf("elligibal");

        }

        else {

                printf("not elligibal");

        }

        }
```


File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
Project
malefemal.c
#include <stdio.h>
void main() {
int a=22;
int b=21;
//int male=(a>=21);
//int female=(b>=18);
if ((a>=21)&&(b>=18)) {
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elligibal
Process exited after 0.09346 seconds with return value 9
Press any key to continue . . .
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IN
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