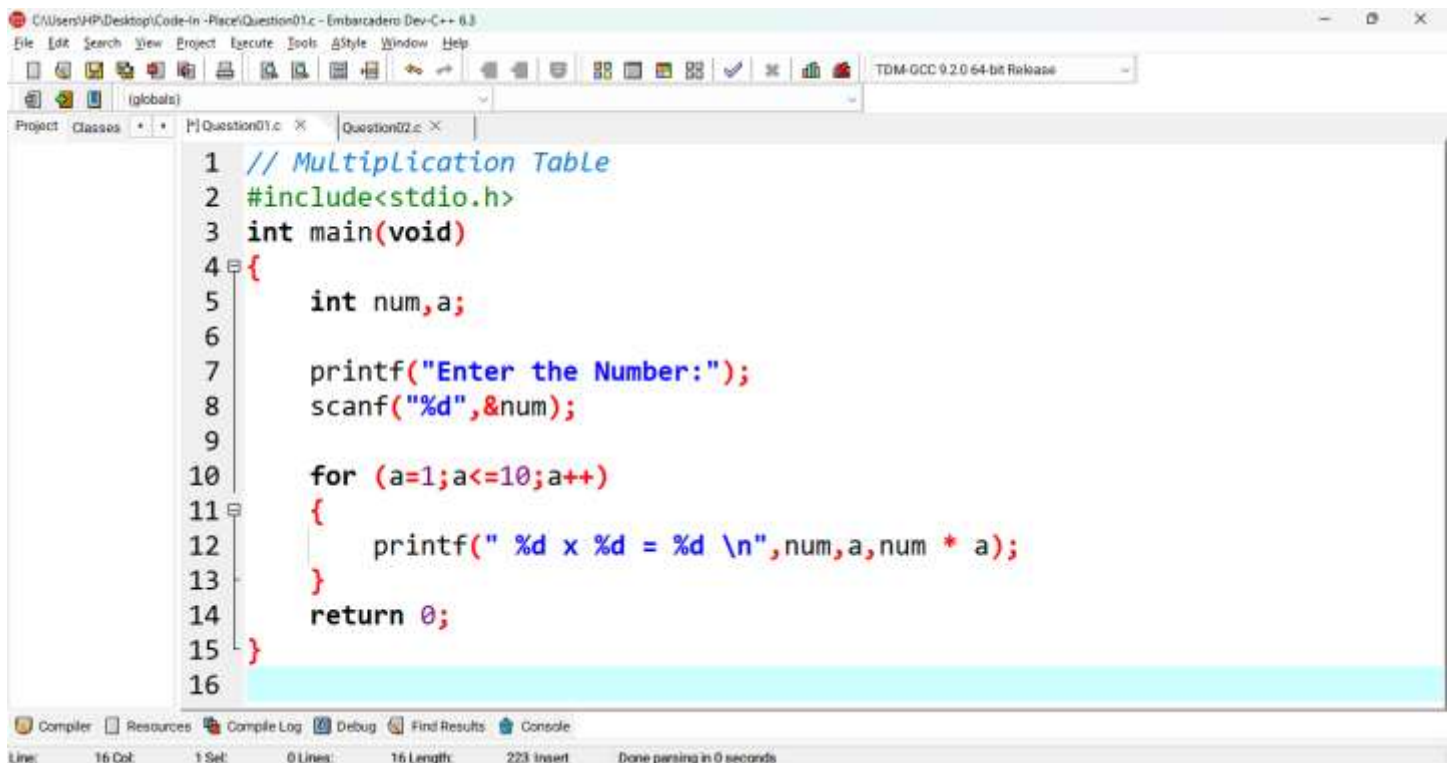NAME: **AREEFA SAMAR**
ROLL NO: **CT-25062**
CLASS: **BCIT**
SECTION: **B**

Question 01: Write a program using a for loop that prints the multiplication table of a number entered by the user.

SOURCE CODE:

```c
// Multiplication Table
#include<stdio.h>
int main(void)
{
    int num,a;

    printf("Enter the Number:");
    scanf("%d",&num);

    for (a=1;a<=10;a++)
    {
        printf(" %d x %d = %d \n",num,a,num * a);
    }
    return 0;
}
```

OUTPUT:

```
Enter the Number:8
 8 x 1 = 8
 8 x 2 = 16
 8 x 3 = 24
 8 x 4 = 32
 8 x 5 = 40
 8 x 6 = 48
 8 x 7 = 56
 8 x 8 = 64
 8 x 9 = 72
 8 x 10 = 80

------------------------------------------------
Process exited after 6.131 seconds with return value 0
Press any key to continue . . .
```

Question 02: Write a program using a for loop that prints numbers from 1 to N (entered by the user). For each number, use if-else to check and print whether it is Even or Odd.

SOURCE CODE:

```c
// Even and Odd Numbers
#include<stdio.h>
int main(void)
{
    int N,n;

    printf("Enter the Number:");
    scanf("%d",&N);

    for (n=1;n<=N;n++)
    {
        if (n%2==0)
        {
            printf("%d is Even\n",n);
        }
        else
        {
            printf("%d is Odd\n",n);
        }
    }
    return 0;
}
```

OUTPUT:

```
C:\Users\HP\Desktop\Code-Ir  X    +  v

Enter the Number:15
1 is Odd
2 is Even
3 is Odd
4 is Even
5 is Odd
6 is Even
7 is Odd
8 is Even
9 is Odd
10 is Even
11 is Odd
12 is Even
13 is Odd
14 is Even
15 is Odd

------------------------------------
Process exited after 5.573 seconds with return value 0
Press any key to continue . . .
```