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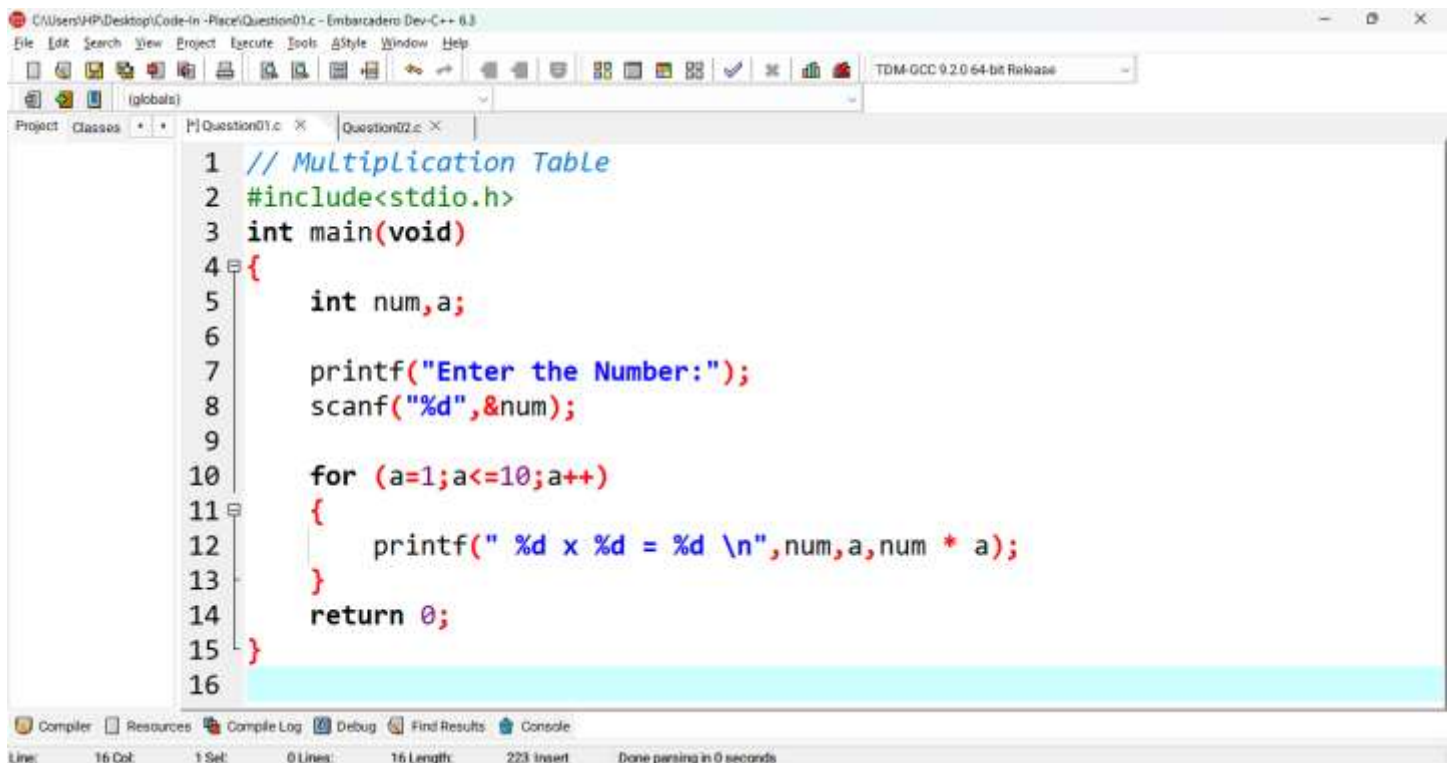
ROLL NO: CT-25062

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:



The screenshot shows an IDE window titled "C:\Users\HP\Desktop\Code-In-Place\Question01.c - Embarcadero Dev-C++ 6.3". The code is as follows:

```
1 // Multiplication Table
2 #include<stdio.h>
3 int main(void)
4 {
5     int num,a;
6
7     printf("Enter the Number:");
8     scanf("%d",&num);
9
10    for (a=1;a<=10;a++)
11    {
12        printf(" %d x %d = %d \n",num,a,num * a);
13    }
14    return 0;
15 }
16
```

The IDE interface includes a menu bar (File, Edit, Search, View, Project, Execute, Tools, Style, Window, Help), a toolbar, and a status bar at the bottom showing "Line: 16 Col: 1 Sel: 0 Lines: 16 Length: 223 Insert Done parsing in 0 seconds".

OUTPUT:

```
C:\Users\HP\Desktop\Code-It > + -
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:\Users\HP\Desktop\Code-It - Place\Question02.c - [Executing] - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools Style Window Help
(globals)
Project Classes * * Question01.c -X Question02.c -X
1 // Even and Odd Numbers
2 #include<stdio.h>
3 int main(void)
4 {
5     int N,n;
6
7     printf("Enter the Number:");
8     scanf("%d",&N);
9
10    for (n=1;n<=N;n++)
11    {
12        if (n%2==0)
13        {
14            printf("%d is Even\n",n);
15        }
16        else
17        {
18            printf("%d is Odd\n",n);
19        }
20    }
21    return 0;
22 }
```

Compiler Resources Compile Log Debug Find Results Console
Line: 23 Col: 1 Sel: 0 Lines: 23 Length: 236 Insert Done parsing in 0 seconds

OUTPUT:

```
C:\Users\HP\Desktop\Code-It > 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 . . .
```