

Aim:

Write a python program to print multiplication table of given number in given format.

Input:

- Prompt the user to enter a number (n) for which they want to generate the multiplication table.

Output Format:

- Print the multiplication table of the entered number in the following format for numbers from 1 to 10:
- Each line should display the multiplication operation in the format {n}*{i}={result}, where {n} is the entered number, {i} ranges from 1 to 10, and {result} is the product of {n} and {i}.

Source Code:

multiplication_table.py

```
a=int(input("Enter a number : "))
for i in range(1,11,1):
    c=a*i;
    print(f"{a}*{i}={c}")
```

Execution Results - All test cases have succeeded!

| Test Case - 1 |
|--------------------|
| User Output |
| Enter a number : 2 |
| 2*1=2 |
| 2*2=4 |
| 2*3=6 |
| 2*4=8 |
| 2*5=10 |
| 2*6=12 |
| 2*7=14 |
| 2*8=16 |
| 2*9=18 |
| 2*10=20 |

| Test Case - 2 |
|---------------------|
| User Output |
| Enter a number : 13 |
| 13*1=13 |
| 13*2=26 |
| 13*3=39 |
| 13*4=52 |
| 13*5=65 |
| 13*6=78 |
| 13*7=91 |
| 13*8=104 |

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| $13 \times 9 = 117$ |
| $13 \times 10 = 130$ |