

Experiment 4: Loops

4.2. WAP to print the multiplication table of the number entered by the user. It should be in the correct formatting. Num * 1 = Num

Ans-:

```
#include <stdio.h>

int main() {
    printf("Name - Aryan kamboj\nSAP ID - 590025526\ncourse - BCA\nBatch - 6");
    printf("\n-----\n");
    int n;

    printf("Enter a number: ");
    scanf("%d", &n);

    printf("\nMultiplication Table of %d\n", n);

    for (int i = 1; i <= 10; i++) {
        printf("%d * %d = %d\n", n, i, n * i);
    }

    return 0;
}
```

Output :

```
● aryankamboj@users-MacBook-Air lab_5 % cd "/Users/aryankamboj/Desktop/c_programming_theory/lab_5/" && gcc 4.2.c -o 4.2 && "/Users/aryankamboj/Desktop/c_programming_theory/lab_5/"4.2
Name - Aryan kamboj
SAP ID - 590025526
course - BCA
Batch - 6
-----
Enter a number: 5

Multiplication Table of 5
5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
5 * 4 = 20
5 * 5 = 25
5 * 6 = 30
5 * 7 = 35
5 * 8 = 40
5 * 9 = 45
5 * 10 = 50
```