

S.No: 18	Exp. Name: <i>given a list of n numbers, Design an algorithm which prints the number of stars equivalent to the value of the number. The stars for each number should be printed horizontally.</i>	Date:2023-04-03
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### Aim:

Take a list of n numbers, Design an algorithm which prints the number of stars equivalent to the value of the number. The stars for each number should be printed horizontally.

### Sample input output

Sample input output -1:

```
Enter the number of numbers: 6
Enter number 1: 4
Enter number 2: 6
Enter number 3: 9
Enter number 4: 5
Enter number 5: 2
Enter number 6: 6
****
*****
*****
*****
**
*****
```

Sample input output -2:

```
Enter the number of numbers: 4
Enter number 1: 4
Enter number 2: 2
Enter number 3: 1
Enter number 4: 3
****
**
*
***
```

**Note:** Do use the printf() function with a newline character (\n) at the end.

### Source Code:

star.c

```
#include<stdio.h>
int main()
{
    int a[20],i,j,p;
    printf("Enter the number of numbers: ");
    scanf("%d",&j);
    for(i=0;i<j;i++)
    {
        printf("Enter number %d: ",i+1);
        scanf("%d",&a[i]);
    }
}
```

```

for(i=0;i<j;i++)
{
    for(p=1;p<=a[i];p++)
    {
        printf("*");
    }
    printf("\n");
}
}

```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter the number of numbers: 6
Enter number 1: 4
Enter number 2: 6
Enter number 3: 9
Enter number 4: 5
Enter number 5: 2
Enter number 6: 6
****
*****
*****
*****
**
*****

Test Case - 2
User Output
Enter the number of numbers: 5
Enter number 1: 5
Enter number 2: 4
Enter number 3: 3
Enter number 4: 2
Enter number 5: 1
*****
****
***
**
*