1.
```
*
**
***
****
******
```

```cpp
#include <iostream>
using namespace std;
int main()
{
    int n;
    cin >> n;
    for (int i = 1; i <= n; i++)
    {
        for (int j = 1; j <= i; j++)
        {
            cout << "*";
        }
        cout << endl;
    }
    return 0;
}
```

Input: Copy
5

Expected Output: Copy

Received Output: Copy
```
*
**
***
****
*****
```

2.
```
     *
    **
   ***
  ****
 ******
```

```cpp
#include <iostream>
using namespace std;
int main()
{
```

```
    int n;
    cin >> n;
    for (int i = 1; i <= n; i++)
    {
        for (int j = n; j > i; j--)
        {
            cout << " ";
        }
        for (int k = 1; k <= i; k++)
        {
            cout << "*";
        }
        cout << endl;
    }
    return 0;
}
```

Input

```
5
```

Output

```
        *
       **
      ***
     ****
    *****
```

3.   *

      ***

     *****

    ****

   ****

```cpp
#include <iostream>
using namespace std;
int main()
{
    int n;
    cin >> n;
    for (int i = 1; i <= n; i++)
    {
        for (int j = n; j >= i; j--)
        {
            cout << " ";
        }
        for (int k = 1; k <= 2 * i - 1; k++)
        {
            cout << "*";
        }
        cout << endl;
    }
    return 0;
}
```

Input

```
5
```

Output

```
        *
       ***
      *****
     *******
    *********
```

4. `*********`

    `**** ****`

    `***   ***`

    `**     **`

    `*       *`

```cpp
#include <iostream>
using namespace std;

int main()
{
    int n;
    cin >> n;

    for (int i = 0; i < n; i++)
    {
        if (i == 0 || i == 1)
        {
            for (int j = n - 1; j > 0; j--)
            {
                cout << "*";
            }
        }
        else
        {
            for (int j = i; j < n; j++)
            {
                cout << "*";
            }
        }

        if (i == 0)
        {
            cout << "$";
        }
        else
        {
            for (int k = 0; k < 2 * i - 1; k++)
            {
                cout << "#";
            }
        }

        if (i == 0 || i == 1)
        {
            for (int j = n - 1; j > 0; j--)
```

```cpp
            {
                cout << "*";
            }
        else
        {
            for (int j = i; j < n; j++)
            {
                cout << "*";
            }
        }

        cout << endl;
    }

    return 0;
}
```

Input:
5

Expected Output:

Received Output:
```
*********
****  ****
***    ***
**      **
*        *
```

5. ABCD

   ABC

   AB

   A

```cpp
#include <iostream>
using namespace std;
int main()
{
    int n;
    cin >> n;
    for (int i = 1; i <= n; i++)
    {
        char ch = 'A';
        for (int j = n; j > i; j--)
        {
            cout << ch;
            ch++;
        }
        cout << endl;
    }
    return 0;
}
```
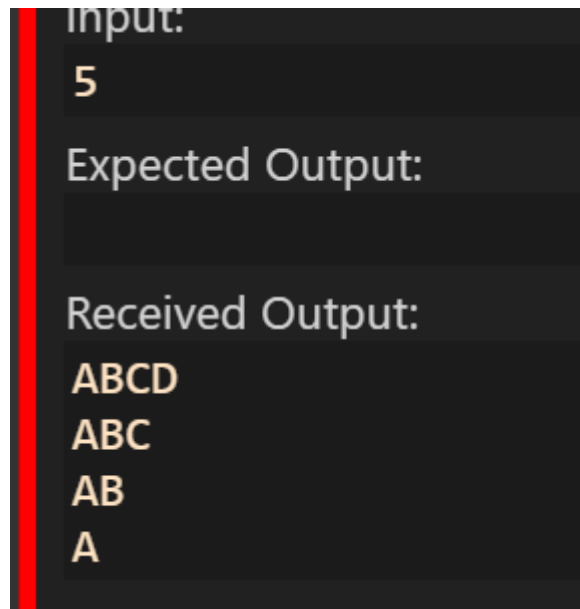
Input:

5

Expected Output:

Received Output:

ABCD
ABC
AB
A

6. 1

   12

   123

   1234

   12345

   123456

```cpp
#include <iostream>
using namespace std;
int main()
{
    int n;
    cin >> n;
    for (int i = 1; i <= n; i++)
    {
        for (int j = 1; j <= i; j++)
        {
            cout << j;
        }
        cout << endl;
    }
    return 0;
}
```

6

Expected Output: Copy

Received Output: Copy

1
12
123
1234
12345
123456

7.   ABCDEDCBA

     ABCD DCBA

     ABC   CBA

     AB   BA

     A   A

```cpp
#include <iostream>
using namespace std;

int main()
{
    int n = 5;

    for (int i = 0; i < n; i++)
    {
        char ch = 'A';
        if (i == 0 || i == 1)
        {
            for (int j = n - 1; j > 0; j--)
            {
                cout << ch;
                ch++;
            }
        }
        else
        {
            for (int j = i; j < n; j++)
            {
                cout << ch;
                ch++;
            }
        }

        if (i == 0)
        {
            cout << ch;
        }
        else
        {
```

```cpp
        for (int k = 0; k < 2 * i - 1; k++)
        {
            cout << " ";
        }
    }

    if (i == 0 || i == 1)
    {
        ch--;
        for (int j = n - 1; j > 0; j--)
        {

            cout << ch;
            ch--;
        }
    }
    else
    {
        ch--;
        for (int j = i; j < n; j++)
        {
            cout << ch;
            ch--;
        }
    }

    cout << endl;
}

return 0;
}
```

Input: Copy

5

Expected Output: Copy

Received Output: Copy

ABCDEDCBA
ABCD DCBA
ABC   CBA
AB   BA
A   A