  

Pattern Programs

# Pattern-1:

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

# Pattern-2:

1 1 1 1 1 1 1 1 1 1

2 2 2 2 2 2 2 2 2 2

3 3 3 3 3 3 3 3 3 3

4 4 4 4 4 4 4 4 4 4

5 5 5 5 5 5 5 5 5 5

6 6 6 6 6 6 6 6 6 6

7 7 7 7 7 7 7 7 7 7

8 8 8 8 8 8 8 8 8 8

9 9 9 9 9 9 9 9 9 9

10 10 10 10 10 10 10 10 10 10

# Pattern-3:

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

**1**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

# Pattern-4:

A A A A A A A A A A B B B B B B B B B B C C C C C C C C C C

D D D D D D D D D D E E E E E E E E E E

F F F F F F F F F F

G G G G G G G G G G H H H H H H H H H H I I I I I I I I I I

J J J J J J J J J J

# Pattern-5:

A B C D E F G H I J A B C D E F G H I J A B C D E F G H I J A B C D E F G H I J A B C D E F G H I J A B C D E F G H I J A B C D E F G H I J A B C D E F G H I J A B C D E F G H I J A B C D E F G H I J

**2**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

**3**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

# Pattern-6:

10 10 10 10 10 10 10 10 10 10

9 9 9 9 9 9 9 9 9 9

8 8 8 8 8 8 8 8 8 8

7 7 7 7 7 7 7 7 7 7

6 6 6 6 6 6 6 6 6 6

5 5 5 5 5 5 5 5 5 5

4 4 4 4 4 4 4 4 4 4

3 3 3 3 3 3 3 3 3 3

2 2 2 2 2 2 2 2 2 2

1 1 1 1 1 1 1 1 1 1

# Pattern-6:

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

  

# Pattern-7:

J J J J J J J J J J I I I I I I I I I I

H H H H H H H H H H G G G G G G G G G G F F F F F F F F F F

E E E E E E E E E E

D D D D D D D D D D C C C C C C C C C C

B B B B B B B B B B A A A A A A A A A A

# Pattern-8:

J I H G F E D C B A J I H G F E D C B A J I H G F E D C B A J I H G F E D C B A J I H G F E D C B A J I H G F E D C B A J I H G F E D C B A J I H G F E D C B A J I H G F E D C B A J I H G F E D C B A

# Pattern-9:

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* \* \*

**4**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

**Code - 1:**

**Code - 2:**

**Pattern-10:**

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

6 6 6 6 6 6

7 7 7 7 7 7 7

8 8 8 8 8 8 8 8

9 9 9 9 9 9 9 9 9

10 10 10 10 10 10 10 10 10 10

# Pattern-11:

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

1 2 3 4 5 6

1 2 3 4 5 6 7

1 2 3 4 5 6 7 8

**5**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

**6**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9 10

# Pattern-12:

A B B

C C C

D D D D E E E E E F F F F F F

G G G G G G G H H H H H H H H I I I I I I I I I

J J J J J J J J J J

# Pattern-13:

A A B

A B C

A B C D A B C D E

A B C D E F

A B C D E F G

A B C D E F G H A B C D E F G H I

A B C D E F G H I J

  

# Pattern-14:

* **Squares**
* **Right Angled Triangle**
* **Reverse of Right Angled Triangle**

**7**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

# Pattern-15:

1 1 1 1 1 1 1 1 1 1

2 2 2 2 2 2 2 2 2

3 3 3 3 3 3 3 3

4 4 4 4 4 4 4

5 5 5 5 5 5

6 6 6 6 6

7 7 7 7

8 8 8

9 9

10

  

# Pattern-16:

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7

1 2 3 4 5 6

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

# Pattern-17:

A A A A A A A A A A B B B B B B B B B

C C C C C C C C D D D D D D D E E E E E E

F F F F F G G G G H H H

I I J

# Pattern-18:

A B C D E F G H I J A B C D E F G H I A B C D E F G H

A B C D E F G A B C D E F

A B C D E A B C D

**8**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

**9**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

A B C A B A

# Pattern-19:

10 10 10 10 10 10 10 10 10 10

9 9 9 9 9 9 9 9 9

8 8 8 8 8 8 8 8

7 7 7 7 7 7 7

6 6 6 6 6 6

5 5 5 5 5

4 4 4 4

3 3 3

2 2

1

# Pattern-20:

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2

10 9 8 7 6 5 4 3

10 9 8 7 6 5 4

10 9 8 7 6 5

10 9 8 7 6

10 9 8 7

10 9 8

10 9

10

  

# Pattern-21:

J J J J J J J J J J I I I I I I I I I

H H H H H H H H G G G G G G G

F F F F F F E E E E E D D D D C C C

B B A

# Pattern-22:

J I H G F E D C B A J I H G F E D C B

J I H G F E D C J I H G F E D

J I H G F E J I H G F

J I H G J I H

J I J

# Pattern-23:

\*

\*\*

\*\*\*

\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*\*

\*\*\*\*\*\*\*

**10**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),"\*"\*i,end=" ")** |
| **4) print()** |

# Pattern-24:

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),end="")** |
| **4) for j in range(1,i+1):** |
| **5) print("\*",end=" ")** |
| **6) print()** |

# Pattern-25:

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

6 6 6 6 6 6

7 7 7 7 7 7 7

8 8 8 8 8 8 8 8

**11**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

9 9 9 9 9 9 9 9 9

10 10 10 10 10 10 10 10 10 10

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),(str(i)+" ")\*i)** |
| **4) print()** |

# Pattern-26:

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

1 2 3 4 5 6

1 2 3 4 5 6 7

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9 10

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),end="")** |
| **4) for j in range(1,i+1):** |
| **5) print(j,end=" ")** |
| **6) print()** |

# Pattern-27:

A B B C C C

D D D D E E E E E

F F F F F F

G G G G G G G H H H H H H H H

**12**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),(chr(64+i)+" ")\*i)** |
| **4) print()** |

# Pattern-28:

A A B A B C

A B C D A B C D E A B C D E F

A B C D E F G A B C D E F G H A B C D E F G H I

A B C D E F G H I J

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),end="")** |
| **4) for j in range(1,i+1):** |
| **5) print(chr(64+j),end=" ")** |
| **6) print()** |

# Pattern-29:

\* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

# Pattern-30:

5 5 5 5 5

4 4 4 4

3 3 3

2 2

1

**13**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

**14**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

# Pattern-31:

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(1,n+2-i):** |
| **5) print(j,end=" ")** |
| **6) print()** |

# Pattern-32:

E E E E E D D D D

C C C B B

A

# Pattern-33:

A B C D E A B C D

A B C A B

A

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(65,66+n-i):** |
| **5) print(chr(j),end=" ")** |
| **6) print()** |

  

# Pattern-34:

\*

\* \* \*

\* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \*

# Pattern-35:

1

2 2 2

3 3 3 3 3

4 4 4 4 4 4 4

5 5 5 5 5 5 5 5 5

# Pattern-36:

A

B B B

C C C C C

D D D D D D D E E E E E E E E E

# Pattern-37:

A C C C

E E E E E

G G G G G G G I I I I I I I I I

**15**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

# Pattern-38:

1

1 2 3

1 2 3 4 5

1 2 3 4 5 6 7

1 2 3 4 5 6 7 8 9

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),end="")** |
| **4) for j in range(1,2\*i):** |
| **5) print(j,end=" ")** |
| **6) print()** |

# Pattern-39:

1

3 2 1

5 4 3 2 1

7 6 5 4 3 2 1

9 8 7 6 5 4 3 2 1

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),end="")** |
| **4) for j in range(2\*i-1,0,-1):** |
| **5) print(j,end=" ")** |
| **6) print()** |

# Pattern-40:

A

A B C

A B C D E

A B C D E F G

A B C D E F G H I

**16**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),end="")** |
| **4) for j in range(65,65+2\*i-1):** |

  

# Pattern-41:

A

C B A

E D C B A

G F E D C B A

I H G F E D C B A

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),end="")** |
| **4) for j in range(65+2\*i-2,64,-1):** |
| **5) print(chr(j),end=" ")** |
| 6) **print()** |

# Pattern-42:

0

1 0 1

2 1 0 1 2

3 2 1 0 1 2 3

4 3 2 1 0 1 2 3 4

|  |
| --- |
| **1) n=int(input("Enter the number of rows: "))** |
| **2) for i in range(1,n+1):** |
| **3) print(" "\*(n-i),end="")** |
| **4) for j in range(1,i):** |
| **5) print(i-j,end=" ")** |
| **6) for k in range(0,i):** |
| **7) print(k,end=" ")** |
| 8) **print()** |

# Pattern-43:

A

B A B

C B A B C

D C B A B C D

E D C B A B C D E

**17**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

|  |  |
| --- | --- |
| **4)** | **for j in range(1,i):** |
| **5)** | **print(chr(i-j+65),end=" ")** |
| **6)** | **for k in range(0,i):** |
| **7)** | **print(chr(k+65),end=" ")** |
| **8)** | **print()** |

# Pattern-44:

1

1 2 1

1 2 3 2 1

1 2 3 4 3 2 1

1 2 3 4 5 4 3 2 1

|  |  |
| --- | --- |
| **1)** | **n=int(input("Enter the number of rows: "))** |
| **2)** | **for i in range(1,n+1):** |
| **3)** | **print(" "\*(n-i),end="")** |
| **4)** | **for j in range(1,i+1):** |
| **5)** | **print(j,end=" ")** |
| **6)** | **for k in range(i-1,0,-1):** |
| **7)** | **print(k,end=" ")** |
| **8)** | **print()** |

# Pattern-45:

A

A B A

A B C A B

A B C D A B C

A B C D E A B C D

|  |  |
| --- | --- |
| **1)** | **n=int(input("Enter the number of rows: "))** |
| **2)** | **for i in range(1,n+1):** |
| **3)** | **print(" "\*(n-i),end="")** |
| **4)** | **for j in range(1,i+1):** |
| **5)** | **print(chr(64+j),end=" ")** |
| **6)** | **for k in range(1,i):** |
| **7)** | **print(chr(64+k),end=" ")** |
| **8)** | **print()** |

# Pattern-46:

**18**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |  |
| --- | --- |
| **1)** | **n=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,n+1):** |
| **3)** | **print(" "\*(n-i),end="")** |
| **4)** | **for j in range(1,i+1):** |

  

**19**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

5

5 4

5 4 3

5 4 3 2

5 4 3 2 1

# Pattern-47:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(1,num+2-i):** |
| **5) print("\*",end=" ")** |
| **6) for k in range(1,num+1-i):** |
| **7) print("\*",end=" ")** |
| **8) print()** |

\* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \*

\* \* \*

\*

# Pattern-48:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(0,num+1-i):** |
| **5) print(num+1-i,end=" ")** |
| **6) for k in range(1,num+1-i):** |
| **7) print(num+1-i,end=" ")** |
| **8) print()** |

5 5 5 5 5 5 5 5 5

4 4 4 4 4 4 4

3 3 3 3 3

2 2 2

1

  

**20**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

# Pattern-49:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(i-1),end="")** |
| **4)** | **for j in range(0,num+1-i):** |
| **5)** | **print(2\*num+1-2\*i,end=" ")** |
| **6)** | **for k in range(1,num+1-i):** |
| **7)** | **print(2\*num+1-2\*i,end=" ")** |
| **8)** | **print()** |

9 9 9 9 9 9 9 9 9

7 7 7 7 7 7 7

5 5 5 5 5

3 3 3

1

# Pattern-50:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(i-1),end="")** |
| **4)** | **for j in range(1,num+2-i):** |
| **5)** | **print(j,end=" ")** |
| **6)** | **for k in range(2,num+2-i):** |
| **7)** | **print(num+k-i,end=" ")** |
| 8) | **print()** |

1 2 3 4 5 6 7

1 2 3 4 5

1 2 3

1

# Pattern-51:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(i-1),end="")** |
| **4)** | **for j in range(1,num+2-i):** |
| **5)** | **print(chr(65+num-i),end=" ")** |
| **6)** | **for k in range(2,num+2-i):** |
| **7)** | **print(chr(65+num-i),end=" ")** |
| 8) | **print()** |

  

**21**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

E E E E E E E E E D D D D D D D C C C C C

B B B A

# Pattern-52:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(i-1),end="")** |
| **4)** | **for j in range(1,num+2-i):** |
| **5)** | **print(chr(65+2\*num-2\*i),end=" ")** |
| **6)** | **for k in range(2,num+2-i):** |
| **7)** | **print(chr(65+2\*num-2\*i),end=" ")** |
| 8) | **print()** |

I I I I I I I I I

G G G G G G G E E E E E

C C C A

# Pattern-53:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(i-1),end="")** |
| **4)** | **for j in range(1,num+2-i):** |
| **5)** | **print(chr(64+j),end=" ")** |
| **6)** | **for k in range(2,num+2-i):** |
| **7)** | **print(chr(68+k-i),end=" ")** |
| **8)** | **print()** |

A B C D E F G A B C D E

A B C A

# Pattern-54:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(num-i),end="")** |
| **4)** | **for j in range(1,i+1):** |
| **5)** | **print(j,end=" ")** |

  

|  |
| --- |
| **6) print()** |
| **7) for k in range(1,num):** |
| **8) print(" "\*k,end="")** |
| **9) for l in range(1,num+1-k):** |
| **10) print(l,end=" ")** |
| **11) print()** |

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

# Pattern-55:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(1,i+1):** |
| **5) print("\*",end=" ")** |
| **6) print()** |
| **7) for k in range(1,num):** |
| **8) print(" "\*k,end="")** |
| **9) for l in range(1,num+1-k):** |
| **10) print("\*",end=" ")** |
| **11) print()** |

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

# Pattern-56:

**22**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(1,i+1):** |

  

**23**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |
| --- |
| **5) print(num-j,end=" ")** |
| **6) print()** |
| **7) for k in range(1,num):** |
| **8) print(" "\*k,end="")** |
| **9) for l in range(1,num+1-k):** |
| **10) print(num-l,end=" ")** |
| **11) print()** |

4

4 3

4 3 2

4 3 2 1

4 3 2 1 0

4 3 2 1

4 3 2

4 3

4

# Pattern-57:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(0,i):** |
| **5) print(num+j-i,end=" ")** |
| **6) print()** |
| **7) for k in range(1,num):** |
| **8) print(" "\*k,end="")** |
| **9) for l in range(1,num+1-k):** |
| **10) print(l+k-1,end=" ")** |
| **11) print()** |

3

2 3

1 2 3

0 1 2 3

1 2 3

2 3

3

# Pattern-58:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(num-i),end="")** |
| **4)** | **for j in range(0,i):** |
| **5)** | **print(chr(65+num+j-i),end=" ")** |

  

**24**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |
| --- |
| **6) print()** |
| **7) for k in range(1,num):** |
| **8) print(" "\*k,end="")** |
| **9) for l in range(0,num-k):** |
| **10) print(chr(65+k+l),end=" ")** |
| **11) print()** |

E D E C D E

B C D E A B C D E B C D E

C D E D E E

# Pattern-59:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **for j in range(1,i+1):** |
| **4)** | **print("\*",end=" ")** |
| **5)** | **print()** |
| **6)** | **for a in range(1,num+1):** |
| **7)** | **for k in range(1,num+1-a):** |
| **8)** | **print("\*",end=" ")** |
| 9) | **print()** |

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

# Pattern-60:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **for j in range(1,i+1):** |
| **4)** | **print(num-j,end=" ")** |
| **5)** | **print()** |
| **6)** | **for a in range(1,num+1):** |
| **7)** | **for k in range(1,num+1-a):** |

  

**25**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

4

4 3

4 3 2

4 3 2 1

4 3 2 1 0

4 3 2 1

4 3 2

4 3

4

# Pattern-61:

4

3 4

2 3 4

1 2 3 4

0 1 2 3 4

1 2 3 4

2 3 4

3 4

4

# Pattern-62:

  

**26**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

E

D D C C C

B B B B

A A A A A B B B B

C C C D D E

# Pattern-63:

|  |  |
| --- | --- |
| **1)** | **for i in range(1,num+1):** |
| **2)** | **for j in range(1,i+1):** |
| **3)** | **print(chr(65+num-j),end=" ")** |
| **4)** | **print()** |
| **5)** | **for a in range(1,num+1):** |
| **6)** | **for k in range(num-a,0,-1):** |
| **7)** | **print(chr(64+k+a),end=" ")** |
| **8)** | **print()** |
| **9)** | **num=int(input("Enter a number:"))** |

E

E D

E D C

E D C B

E D C B A E D C B

E D C E D

E

# Pattern-64:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **for j in range(1,i+1):** |
| **4)** | **print(chr(64+num-i+j),end=" ")** |
| **5)** | **print()** |
| **6)** | **for a in range(1,num+1):** |
| **7)** | **for k in range(1,num-a+1):** |
| **8)** | **print(chr(64+k+a),end=" ")** |
| **9)** | **print()** |

  

E D E

C D E

B C D E A B C D E B C D E

C D E D E

E

# Pattern-65:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(num-i),end="")** |
| **4)** | **for j in range(1,i+1):** |
| **5)** | **print("\*",end=" ")** |
| 6) | **print()** |

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

# Pattern-66:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(num-i),end="")** |
| **4)** | **for j in range(1,i+1):** |
| **5)** | **print(i,end=" ")** |
| 6) | **print()** |

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

# Pattern-67:

**27**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |

  

|  |  |
| --- | --- |
| **4)** | **for j in range(1,1+i):** |
| **5)** | **print(j,end=" ")** |
| 6) | **print()** |

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

# Pattern-68:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(num-i),end="")** |
| **4)** | **for j in range(1,1+i):** |
| **5)** | **print(chr(64+i),end=" ")** |
| **6)** | **print()** |

A B B C C C

D D D D E E E E E

# Pattern-69:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(num-i),end="")** |
| **4)** | **for j in range(1,1+i):** |
| **5)** | **print(chr(64+j),end=" ")** |
| **6)** | **print()** |

A A B

A B C A B C D A B C D E

# Pattern-70:

**28**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(1,num+2-i):** |

  

**29**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

\* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

# Pattern-71:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(1,num+2-i):** |
| **5) print(num-i+1,end=" ")** |
| 6) **print()** |

5 5 5 5 5

4 4 4 4

3 3 3

2 2

1

# Pattern-72:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(1,num+2-i):** |
| **5) print(num+2-i-j,end=" ")** |
| 6) **print()** |

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1

# Pattern-73:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(1,num+2-i):** |
| **5) print(chr(65+num-i),end=" ")** |
| 6) **print()** |

  

**30**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

E E E E E D D D D C C C

B B A

# Pattern-74:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(i-1),end="")** |
| **4)** | **for j in range(1,num+2-i):** |
| **5)** | **print(chr(65+num+1-i-j),end=" ")** |
| 6) | **print()** |

E D C B A D C B A C B A

B A A

# Pattern-75:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(i-1),end="")** |
| **4)** | **for j in range(1,num+2-i):** |
| **5)** | **print(chr(64+j),end=" ")** |
| **6)** | **print()** |

A B C D E A B C D A B C

A B A

# Pattern-76:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(num-i),end="")** |
| **4)** | **for j in range(1,i+1):** |
| **5)** | **print("\*",end=" ")** |
| **6)** | **print()** |
| **7)** | **for p in range(1,num):** |
| **8)** | **print(" "\*p,end="")** |

  

**31**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

# Pattern-77:

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

4 4 4 4

3 3 3

2 2

1

# Pattern-78:

  

**32**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |  |
| --- | --- |
| **8)** | **print(" "\*p,end="")** |
| **9)** | **for q in range(1,num+1-p):** |
| **10)** | **print(q+p,end=" ")** |
| 11) | **print()** |

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

2 3 4 5

3 4 5

4 5

5

# Pattern-79:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(1,i+1):** |
| **5) print(j,end=" ")** |
| **6) print()** |
| **7) for p in range(1,num):** |
| **8) print(" "\*p,end="")** |
| **9) for q in range(1,num+1-p):** |
| **10) print(q,end=" ")** |
| **11) print()** |

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

# Pattern-80:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(num-i),end="")** |
| **4)** | **for j in range(1,i+1):** |
| **5)** | **print(chr(64+i),end=" ")** |
| **6)** | **print()** |

  

**33**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |
| --- |
| **7) for p in range(1,num):** |
| **8) print(" "\*p,end="")** |
| **9) for q in range(1,num+1-p):** |
| **10) print(chr(64+num-p),end=" ")** |
| **11) print()** |

A B B C C C

D D D D E E E E E D D D D

C C C B B A

# Pattern-81:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(1,i+1):** |
| **5) print(chr(64+j),end=" ")** |
| **6) print()** |
| **7) for p in range(1,num):** |
| **8) print(" "\*p,end="")** |
| **9) for q in range(1,num+1-p):** |
| **10) print(chr(64+q+p),end=" ")** |
| 11) **print()** |

A A B A B C

A B C D A B C D E B C D E

C D E D E E

# Pattern-82:

|  |  |
| --- | --- |
| **1)** | **n=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,n+1):** |
| **3)** | **print(" "\*(n-i),end="")** |
| **4)** | **for j in range(1,i+1):** |
| **5)** | **print(n-i+j,end=" ")** |

  

|  |
| --- |
| **6) for k in range(2,i+1):** |
| **7) print(n+1-k,end=" ")** |
| **8) print()** |
| **9) for i in range(1,n+1):** |
| **10) print(" "\*i,end="")** |
| **11) for j in range(1+i,n+1):** |
| **12) print(j,end=" ")** |
| **13) for k in range(2,n+1-i):** |
| **14) print(n+1-k,end=" ")** |
| **15) print()** |

5

4 5 4

3 4 5 4 3

2 3 4 5 4 3 2

1 2 3 4 5 4 3 2 1

2 3 4 5 4 3 2

3 4 5 4 3

4 5 4

5

# Pattern-83:

|  |
| --- |
| **1) while True:** |
| **2) n=int(input("Enter a number:"))** |
| **3) for i in range(1,n+1):** |
| **4) print(" "\*(n-i),end="")** |
| **5) for j in range(1,i+1):** |
| **6) print(n+1-j,end=" ")** |
| **7) for k in range(2,i+1):** |
| **8) print(n-i+k,end=" ")** |
| **9) print()** |
| **10) for i in range(1,n+1):** |
| **11) print(" "\*i,end="")** |
| **12) for j in range(1,n+1-i):** |
| **13) print(n+1-j,end=" ")** |
| **14) for k in range(2,n+1-i):** |
| **15) print(i+k,end=" ")** |
| 16) **print()** |

5

5 4 5

5 4 3 4 5

5 4 3 2 3 4 5

5 4 3 2 1 2 3 4 5

5 4 3 2 3 4 5

5 4 3 4 5

5 4 5

**34**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

5

# Pattern-84:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(i,i+1):** |
| **5) print("\*",end=" ")** |
| **6) if i>=2:** |
| **7) print(" "\*(2\*i-4),end="")** |
| **8) for k in range(i,i+1):** |
| **9) print("\*",end=" ")** |
| 10) **print()** |

\*

\* \*

\* \*

\* \*

\* \*

# Pattern-85:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(i,i+1):** |
| **5) print(i,end=" ")** |
| **6) if i>=2:** |
| **7) print(" "\*(2\*i-4),end="")** |
| **8) for k in range(i,i+1):** |
| **9) print(i,end=" ")** |
| **10) print()** |

1

2 2

3 3

4 4

5 5

# Pattern-86:

**35**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(i,i+1):** |

  

**36**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

|  |
| --- |
| **5) print(num+1-i,end=" ")** |
| **6) if i>=2:** |
| **7) print(" "\*(2\*i-4),end="")** |
| **8) for k in range(i,i+1):** |
| **9) print(num+1-i,end=" ")** |
| 10) **print()** |

5

4 4

3 3

2 2

1 1

# Pattern-87:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(i,i+1):** |
| **5) print(chr(64+num+1-i),end=" ")** |
| **6) if i>=2:** |
| **7) print(" "\*(2\*i-4),end="")** |
| **8) for k in range(i,i+1):** |
| **9) print(chr(64+num+1-i),end=" ")** |
| 10) **print()** |

E D D C C

B B

A A

# Pattern-88:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(num-i),end="")** |
| **4) for j in range(i,i+1):** |
| **5) print(chr(64+i),end=" ")** |
| **6) if i>=2:** |
| **7) print(" "\*(2\*i-4),end="")** |
| **8) for k in range(i,i+1):** |
| **9) print(chr(64+i),end=" ")** |
| **10) print()** |

  

A B B C C

1. **D**
2. **E**

# Pattern-89:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(i,i+1):** |
| **5) print("\*",end=" ")** |
| **6) if i<=4:** |
| **7) print(" "\*(2\*num-2\*i-2),end="")** |
| **8) for k in range(i,i+1):** |
| **9) print("\*",end=" ")** |
| **10) print()** |

\* \*

\* \*

\* \*

\* \*

\*

# Pattern-90:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(i,i+1):** |
| **5) print(i,end=" ")** |
| **6) if i<num:** |
| **7) print(" "\*(2\*num-2\*i-2),end="")** |
| **8) for k in range(i,i+1):** |
| **9) print(i,end=" ")** |
| **10) print()** |

1 1

2 2

3 3

4 4

5

**37**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

**38**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

# Pattern-91:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(i,i+1):** |
| **5) print(num-i+1,end=" ")** |
| **6) if i<=4:** |
| **7) print(" "\*(2\*num-2\*i-2),end="")** |
| **8) for k in range(i,i+1):** |
| **9) print(num-i+1,end=" ")** |
| **10) print()** |

5 5

4 4

3 3

2 2

1

# Pattern-92:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(i-1),end="")** |
| **4) for j in range(i,i+1):** |
| **5) print(chr(64+num-i+1),end=" ")** |
| **6) if i<=4:** |
| **7) print(" "\*(2\*num-2\*i-2),end="")** |
| **8) for k in range(i,i+1):** |
| **9) print(chr(64+num-i+1),end=" ")** |
| **10) print()** |

E E

D D

C C B B A

# Pattern-93:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(i-1),end="")** |
| **4)** | **for j in range(i,i+1):** |
| **5)** | **print(chr(64+i),end=" ")** |
| **6)** | **if i<=4:** |

  

|  |  |  |
| --- | --- | --- |
| **7)** | **print(" "\*(2\*num-2\*i-2),end="")** | |
| **8)** | **for k in range(i,i+1):** | |
| **9)** |  | **print(chr(64+i),end=" ")** |
| **10)** | **print()** |  |

1. **A**
2. **B**
3. **C D D E**

# Pattern-94:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(i-1),end="")** |
| **4)** | **for j in range(1,num+1):** |
| **5)** | **print("\*",end=" ")** |
| **6)** | **print()** |

\* \* \* \* \*

\* \* \* \* \*

\* \* \* \* \*

\* \* \* \* \*

\* \* \* \* \*

# Pattern-95:

|  |  |
| --- | --- |
| **1)** | **num=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,num+1):** |
| **3)** | **print(" "\*(num-i),end="")** |
| **4)** | **for j in range(1,i+1):** |
| **5)** | **print("\*",end=" ")** |
| **6)** | **print(" "\*(num-i),end="")** |
| **7)** | **for k in range(1,i+1):** |
| **8)** | **print("\*",end=" ")** |
| **9)** | **print()** |

\* \*

\* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

**39**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

**40**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

# Pattern-96:

|  |  |
| --- | --- |
| **1)** | **n=int(input("Enter a number:"))** |
| **2)** | **for i in range(1,n+1):** |
| **3)** | **for j in range(1,i+1):** |
| **4)** | **if (i%2!=0 and j%2!=0 )or(i%2==0 and j%2==0):** |
| **5)** | **print("1",end=" ")** |
| **6)** | **else:** |
| **7)** | **print("0",end=" ")** |
| 8) | **print()** |

1

0 1

1 0 1

0 1 0 1

1 0 1 0 1

0 1 0 1 0 1

1 0 1 0 1 0 1

# Pattern-97:

|  |
| --- |
| **1) num=int(input("Enter a number:"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(2\*num-i+3),end="")** |
| **4) for j in range(1,i+1):** |
| **5) print("\*",end=" ")** |
| **6) print()** |
| **7) for i in range(1,num+3):** |
| **8) print(" "\*(2\*num-i+1),end="")** |
| **9) for j in range(-1,i+1):** |
| **10) print("\*",end=" ")** |
| **11) print()** |
| **12) for i in range(1,num+5):** |
| **13) print(" "\*(2\*num-i),end="")** |
| **14) for j in range(-2,i+1):** |
| **15) print("\*",end=" ")** |
| **16) print()** |
| **17) for i in range(1,num+3):** |
| **18) print(" "\*((2\*num)),end="")** |
| **19) print("\* "\*3)** |

  

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \* \*

\* \* \*

\* \* \*

\* \* \*

\* \* \*

\* \* \*

\* \* \*

# Pattern-98:

|  |
| --- |
| **1) num=int(input("Enter a number"))** |
| **2) for i in range(1,num+1):** |
| **3) print(" "\*(2\*num-i),end="")** |
| **4) for j in range(1,i+1):** |
| **5) print("\*",end=" ")** |
| **6) print()** |
| **7) for i in range(1,num+1):** |
| **8) print(" "\*(num-i),end="")** |
| **9) for j in range(1,i+1):** |
| **10) print("\*",end=" ")** |
| **11) print(" "\*(num-i),end="")** |
| **12) for k in range(1,i+1):** |
| **13) print("\*",end=" ")** |
| **14) print()** |

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \*

**41**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

  

**42**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

\* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

# Pattern-99:

|  |  |
| --- | --- |
| **1)** | **n=int(input("Enter a number"))** |
| **2)** | **for i in range(1,2\*n+1):** |
| **3)** | **if i%2==0:** |
| **4)** | **print("\*"\*i,end=" ")** |
| **5)** | **else:** |
| **6)** | **print("\*"\*(i+1),end=" ")** |
| 7) | **print()** |

\*\*

\*\*

\*\*\*\*

\*\*\*\*

\*\*\*\*\*\*

\*\*\*\*\*\*

\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*

# Pattern-100:

|  |
| --- |
| **1) n=int(input("Enter a number:"))** |
| **2) for a in range(1,n+1,2):** |
| **3) for i in range(1,n+1):** |
| **4) print(" "\*(2\*n-i-a),end="")** |
| **5) for j in range(1,i+a):** |
| **6) print("\*",end=" ")** |
| **7) print()** |
| **8) for b in range(1,n+1):** |
| **9) print(" "\*(n-2),end="")** |
| **10) print("\* "\*3)** |

  

**43**

**DURGASOFT, # 202, 2 Floor, HUDA Maitrivanam, Ameerpet, Hyderabad - 500038,**

**nd**

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \* \* \* \* \*

\* \* \*

\* \* \*

\* \* \*

\* \* \*

\* \* \*

\* \* \*

\* \* \*

\* \* \*