

1. Print the following pattern

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

2. Print the following pattern

```
  *
  --
 ***
-- -- --
* * * * *
-- -- --
***
--
 *
```

3. Write a program to find the duplicate elements in an array

4. Print the following pattern

Enter the number of rows: 10

A

1 1

B B B

2 2 2 2

C C C C C

3 3 3 3 3 3

D D D D D D D

4 4 4 4 4 4 4 4

E E E E E E E E E

5 5 5 5 5 5 5 5 5 5

5. Write a program to find prime numbers within a given range