

**ADARSH BCA COLLEGE-HADDAD**  
**F.Y.BCA ASSIGNMENT-2**  
**INTRODUCTION TO PROGRAMMING LANGUAGE C**

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1. Write a program to generate the following pattern.

```
A  
A C E  
A C E G I  
A C E G I K M  
A C E G I K M O Q  
A C E G I K M  
A C E G I  
A C E  
A
```

2. Write a program to generate the following pattern.

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

3. Write a program to convert decimal number into binary.  
4. Write a program to sort city name in ascending order.

For example: input → Botad, Rajkot, Ahmedabad

Output: → Ahmedabad  
Botad  
Rajkot

5. Write a program to perform matrix multiplication.  
6. Write a program to search a given value from integer array.

**Note: Submission Date: 16<sup>th</sup> February, 2016 [ soft copy + hard copy]**

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