



“चला तर, Coding  
शिकू आपल्या भाषेत!”



# Marathi Coding Shala

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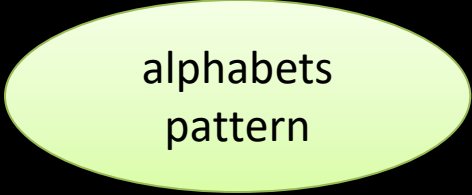
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alphabets  
pattern

Step 1

rows

a a a a a  
b b b b b  
c c c c c  
d d d d d  
e e e e e

columns

	j=1	j=2	j=3	j=4	j=5
i=1	a	a	a	a	a
i=2	b	b	b	b	b
i=3	c	c	c	c	c
i=4	d	d	d	d	d
i=5	e	e	e	e	e

Step 2

i=1	j=1,2,3,4,5
i=2	j=1,2,3,4,5
i=3	j=1,2,3,4,5
i=4	j=1,2,3,4,5
i=5	j=1,2,3,4,5

Step 3

a a a a a  
b b b b b  
c c c c c  
d d d d d  
e e e e e

Ascending  
square pattern

i=1	j<=5
i=2	j<=5
i=3	j<=5
i=4	j<=5
i=5	j<=5

i=1	a (5 times)
i=2	b(5 times)
i=3	c(5 times)
i=4	d(5 times)
i=5	e(5 times)

Letter	ASCII Value
a	97
b	98
c	99
d	100
e	101
f	102
g	103
h	104
i	105
j	106
k	107
l	108
m	109
n	110
o	111

```
1) row = 1
2) row <= 5
3) name = 'a' + (row - 1)
   = 'a' + (2 - 1)
   = 'a' + 1
   = 'b' (ASCII no: 97 + 1 = 98)
```

```
4) print name 5 times
```

```
5) row = row + 1
```

```
a a a a a
b b b b b
c c c c c
d d d d d
e e e e e
```

```
#include<stdio.h>
```

```
void main(){
```

```
    int i,j;
```

```
    for(int i=1;i<=5;i++){
```

```
        char p = 'a'+i-1;
```

```
        for(int j=1;j<=5;j++){
```

```
            printf("%c  ",p );
```

```
        }
```

```
        printf("\n");
```

```
    }
```

```
}
```



a b c d e

a b c d e

a b c d e

a b c d e

a b c d e

```
#include <stdio.h>
```

```
int main() {  
    for (int i = 0; i < 5; i++) {           // rows  
        for (char ch = 'a'; ch <= 'e'; ch++) { // columns (a to e)  
            printf("%c ", ch);  
        }  
        printf("\n");  
    }  
    return 0;  
}
```

```
1  2  3  4  5
6  7  8  9 10
11 12 13 14 15
16 17 18 19 20
21 22 23 24 25
```

### Logic 1

```
1.row = 1
2.row <= 5
3.print count (5 times)
  count = count + 1
(repeat for each iteration)
4. row = row + 1
```

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

```
#include <stdio.h>

int main() {
    int num = 1;

    for (int i = 0; i < 5; i++) {
        for (int j = 0; j < 5; j++) {
            printf("%d ", num);
            num++;
        }
        printf("\n");
    }

    return 0;
}
```

a b c d e  
f g h i j  
k l m n o  
p q r s t  
u v w x y

```
#include <stdio.h>
```

```
int main() {
```

```
    char ch = 'a';    // starting letter
```

```
    for (int i = 0; i < 5; i++) {                // rows
```

```
        for (int j = 0; j < 5; j++) {            // columns
```

```
            printf("%c ", ch);
```

```
            ch++;
```

```
        }
```

```
        printf("\n");
```

```
    }
```

```
    return 0;
```

```
}
```



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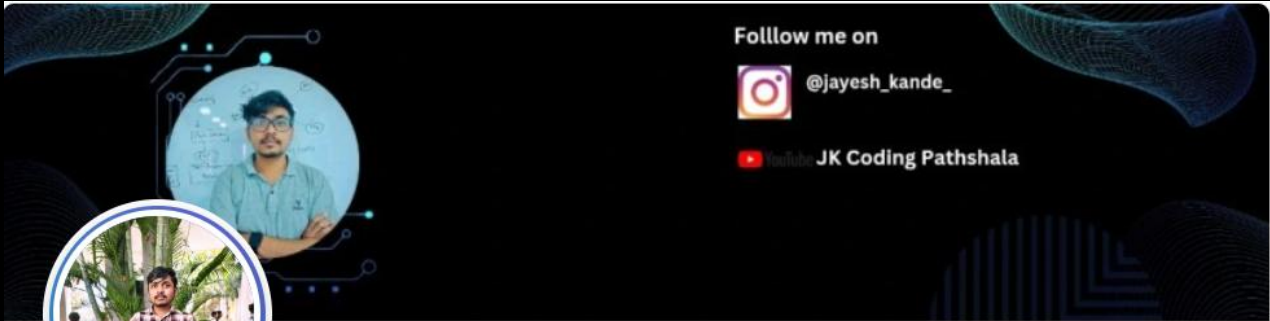
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