

Q. Write a program to print:

5

44

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2222

11111

Method: 1 (Using nested for loop)

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

```
int main(){  
    for (int i = 0; i < 5; i++){  
  
        for (int j = 1; j <= 5 - i; j++){  
            printf(" ");  
        }  
        for (int k = 0; k <= i; k++){  
            printf("%d", 5 - i);  
        }  
        printf("\n");  
    }  
  
    return 0;  
}
```

Method: 2 (Using nested while loop)

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

```
int main(){  
    int i = 0;  
    while (i < 5){  
  
        int j = 1;  
        while (j <= 5 - i){  
            printf(" ");  
            j++;  
        }  
  
        int k = 0;  
        while (k <= i){  
            printf("%d", 5 - i);  
            k++;  
        }  
        printf("\n");  
        i++;  
    }  
  
    return 0;  
}
```

Method: 3 (Using nested Do while loop)

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

```
int main(){  
    int i = 0;  
    do  
    {  
        int j = 1;  
        do  
        {  
            printf(" ");  
            j++;  
        } while (j <= 5 - i);  
  
        int k = 0;  
        do  
        {  
            printf("%d", 5 - i);  
            k++;  
        } while (k <= i);  
  
        printf("\n");  
        i++;  
    } while (i < 5);  
}
```