

Q. Write a program to print:

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Method: 1 (using calculation to add 1)

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

```
int main(){  
    int a = 1;  
    for (int i = 0; i <= 5; i++){  
        printf("%d\n", a);  
        a = a * 10 + 1;  
    }  
  
    return 0;  
}
```

Method: 2 (using nested for loop)

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

```
int main(){  
    int n = 5;  
    for (int i = 0; i < n; i++){  
        for (int j = 0; j <= i; j++){
```

```
printf("1");  
}  
printf("\n");  
}  
return 0;  
}
```

Method: 3 (Using While loop)

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

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

Method: 4 (Using Do While loop)

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

```
int main(){  
    int i = 0;  
    do{  
        int j = 0;  
        do{  
            printf("1");  
            j++;  
        } while (j <= i);  
        printf("\n");  
        i++;  
    } while (i <= 5);  
  
    return 0;  
}
```