

```
#include <iostream>
```

```
int main(){
```

```
    int num ,temp=0 ,n=0 ;
```

```
    std::cout<<"Please Enter your Number: ";
```

```
    std::cin>>num;
```

```
    temp=num;
```

```
    //calculates the number of digits of number
```

```
    while(temp>0){
```

```
        temp=temp/10;
```

```
        n=n+1;
```

```
    }
```

```
    int arr[n];
```

```
    //argham adad ra joda mikonad va dar arr mirizad
```

```
    for(int i=n-1; i>=0;i--){
```

```
        arr[i]=num % 10;
```

```
        num=num /10;
```

```
    }
```

```
    //print
```

```
for(int i=0; i<n;i++){  
    for(int j=0;j<arr[i];j++){  
        std::cout<<arr[i];  
    }  
    std::cout<<" : "<<arr[i]<<"\n";  
  
}  
  
return 0;  
}
```