

1)

```
#include <iostream>
```

```
using namespace std;
```

```
int main(){
```

```
    string num, letter;
```

```
    cout<< "Please enter a 4-digit phone number\n";
```

```
    cin >> num;
```

```
    for(int x= 0; x<4; x++){
```

```
        if (num[x] == 0){cout<< "zero "};
```

```
        else if (num[x] == '1'){cout<< "one "};
```

```
        else if (num[x] == '2'){cout<< "two "};
```

```
        else if (num[x] == '3'){cout<< "three "};
```

```
        else if (num[x] == '4'){cout<< "four "};
```

```
        else if (num[x] == '5'){cout<< "five "};
```

```
        else if (num[x] == '6'){cout<< "six "};
```

```
        else if (num[x] == '7'){cout<< "seven "};
```

```
        else if (num[x] == '8'){cout<< "eight "};
```

```
        else if (num[x] == '9'){cout<< "nine "};
```

```
    }
```

```
    return 0 ;
```

```
}
```

2)

```
#include <iostream>
```

```
using namespace std;
```

```
int main () {
```

```
for (int x=1;x<=16;x++){
```

```
    if ((x==1) || (x==16)) {cout << "+\n"; }
```

```
    else if((x==2) || (x==15)) {cout << "++\n"; }
```

```
    else if((x==3) || (x==14)) {cout << "+++\n"; }
```

```
    else if((x==4) || (x==13)) {cout << "++++\n"; }
```

```
    else if((x==5) || (x==12)) {cout << "+++++\n"; }
```

```
    else if((x==6) || (x==11)) {cout << "++++++\n"; }
```

```
    else if((x==7) || (x==10)) {cout << "+++++++\n"; }
```

```
    else if((x==8) || (x==9)) {cout << "+++++++\n"; }
```

```
}
```

```
return 0 ;
```

```
}
```

3)

```
#include <iostream>
```

```
#include <cstdlib>
```

```
#include <ctime>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int ans,num,chance=3,x=0;
```

```
srand(time(0));
```

```
ans=1+rand()%10;
```

```
cout << "Enter a  within the range of 1 to 10" <<endl;
```

```
while(x<chance){
```

```
cin>>num;
```

```
if (num>ans){ cout <<"your number is too high"<<endl;}
```

```
else if (num<ans) { cout << "your number is too low"<<endl; }
```

```
else {
```

```
    cout << "You won"; return 0;
```

```
}
```

```
x++;
```

```
}
```

```
cout << "You lose and the secret number is " <<ans ;
```

```
return 0;
```

```
}
```

