

Day 2 - Problem Set

Question 1

Write a program which asks the user to enter 5 numbers, then prints out how many of them were even and how many were odd.

Example Output:

```
Enter 5 numbers:  
45  
78  
12  
34  
55  
There were 3 even numbers and 2 odd numbers.
```

Question 2

Write a program which asks the user to guess a pass number. The user gets 3 guesses. If they get all 3 wrong then display a message to them saying that they are out of tries. If they enter the number -1 then that means that they don't want to keep guessing.

Example Output 1 - 3 Wrong Answers

```
Guess the pass number: 14  
Incorrect  
Try again: 15  
Incorrect  
Final try: 16  
You have ran out of tries!
```

Example Output 2 - Correct Answer

```
Guess the pass number: 14  
Incorrect  
Try again: 12  
Correct
```

Example Output 3 - User Quits

```
Guess the pass number: 14  
Incorrect  
Try again: -1  
Goodbye
```

Question 3

Write a program which asks the user to enter 5 numbers, then afterwards, prints a message saying whether or not one of the numbers was the number 5.

Example Output 1 - User Did Not Enter 5

```
Enter a number: 6  
Enter a number: 7  
Enter a number: 8  
Enter a number: 9  
Enter a number: 10  
None of these were a 5
```

Example Output 2 - User Did Enter 5

```
Enter a number: 6
Enter a number: 7
Enter a number: 5
Enter a number: 9
Enter a number: 10
You did enter 5
```