







```

1 import java.util.Scanner;
2
3 // Michael Cohen
4 // Midterm Question 3
5
6 public class SumOfEvenNumbers
7 {
8     public static void main(String[] args)
9     {
10         Scanner keyboard = new Scanner(System.in);
11         int num;
12         do {
13             System.out.print("Enter a nonzero positive integer: ");
14             num = keyboard.nextInt();
15         } while(num < 1);
16
17         int count;
18         int sum = 0;
19         for (count = 0; count <= num; count += 2)
20         {
21             sum += count;
22         }
23         System.out.println("The sum is equal to: " + sum);
24     }
25 }

```

 LetterCounter.java
  ESPGame.java
  RNGGame.java
  RNGGameEnhanced.j...
  SlotMachine Sim.java

Compile Messages | jGRASP Messages | Run I/O | Interactions

End

Clear

Help

```

----jGRASP exec: java SumOfEvenNumbers
Enter a nonzero positive integer: 99
The sum is equal to: 2450

----jGRASP: operation complete.

```

```

----jGRASP exec: java SumOfEvenNumbers
Enter a nonzero positive integer: 6
The sum is equal to: 12

----jGRASP: operation complete.

```


value_2



Decimal: 115

Hex: 0x73

Octal: 0163

Binary: 0000 0000 0000 0000 0000 0000 0111 0011

```

1 import java.util.Scanner;
2
3
4 // Michael Cohen
5 // Midterm Q6
6
7 public class Q6
8 {
9     public static void main(String[] args)
10    {
11        Scanner keyboard = new Scanner(System.in);
12        int input = 1;
13
14
15        while (input != 0){
16            System.out.println("Enter a series of numbers: ");
17
18            input = keyboard.nextInt();
19            if (input == 0) //fixes glitch where FIZZBUZZ is printed before end of program.
20                break;
21            if (input % 3 == 0)
22                System.out.print("FIZZ");
23            if (input % 5 == 0)
24                System.out.print("BUZZ");
25            if (input % 3 != 0 && input % 5 != 0)
26                System.out.print(input);
27            System.out.println();
28        }
29    }
30 }
31 }

```

End

Clear

Help

```

----jGRASP exec: java Q6
Enter a series of numbers:
3
FIZZ
Enter a series of numbers:
1
1
Enter a series of numbers:
2
2
Enter a series of numbers:
5
BUZZ
Enter a series of numbers:
6
FIZZ
Enter a series of numbers:
7
7
Enter a series of numbers:
15
FIZZBUZZ
Enter a series of numbers:
0
----jGRASP: operation complete.

```

```

1 import java.util.Scanner;
2
3
4 // Michael Cohen
5 // Midterm Q7
6
7 public class Q7
8 {
9     public static void main(String[] args)
10    {
11        Scanner keyboard = new Scanner(System.in);
12        String input;
13
14        System.out.println("Enter a word: ");
15
16        input = keyboard.nextLine();
17        for (int location = 0; location < input.length(); location++)
18        {
19            if (input.charAt(location) == 'z')
20                System.out.println("Weird word!");
21        }
22        if ((input.charAt(input.length() - 1) == 't') && (input.charAt(input.length() - 2) == 's') && (input.charAt(input.length() - 3) == 'e'))
23            System.out.println("Superlative!");
24
25        System.out.println(5 * input.length());
26    }
27 }

```

LetterCounter.java
 ESPGame.java
 RNGGame.java
 RNGGameEnhanced.java
 SlotMachineSim.java
 Q1Q2.java
 StarPattern.java
 Q6.java
 Q7.java

Compile Messages
 jGRASP Messages
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```

----jGRASP exec: java Q7
Enter a word:
> zest
Weird word!
Superlative!
20

----jGRASP: operation complete.

----jGRASP exec: java Q7
Enter a word:
> lazer
Weird word!
25

----jGRASP: operation complete.

----jGRASP exec: java Q7
Enter a word:
> rest
Superlative!
20
    
```

```
1 // Michael Cohen
2 // Midterm Q8
3
4 public class Q8
5 {
6     public static void main(String[] args)
7     {
8
9         for (int count = 1; count < 6; count++)
10         {
11             if (count == 1)
12                 System.out.println("....1");
13             if (count == 2)
14                 System.out.println("...22");
15             if (count == 3)
16                 System.out.println("..333");
17             if (count == 4)
18                 System.out.println(".4444");
19             if (count == 5)
20                 System.out.println("55555");
21         }
22     }
23 }
```

Let... ESP... RNG... RNG... Slot... Q1Q... Star... Q7.j... Sum... Q8

Compile Messages jGRASP Messages Run I/O Interactions

End

Clear

Help

```
----jGRASP exec: java Q8
....1
...22
..333
.4444
55555

----jGRASP: operation complete.
```

