

### Problem 1

```
Please enter an integer number:  
-16  
The program doesn't accept negative numbers  
gabe@fedora ~/D/m/F/C/Lab05 (master)> █
```

```
Please enter an integer number:  
16  
The given number (16) is divisible by 4.  
Quotient: 4 and the Remainder: 0  
gabe@fedora ~/D/m/F/C/Lab05 (master)> █
```

```
Please enter an integer number:  
15  
The given number (15) is not divisible by 4.  
Quotient: 3 and the Remainder: 3  
gabe@fedora ~/D/m/F/C/Lab05 (master)> █
```

```
Please enter an integer number:  
121  
The entered number is greater than 100 and it's square root is 11  
gabe@fedora ~/D/m/F/C/Lab05 (master)> █
```

### Problem 2

```
Enter the side:  
5.5  
The area of the hexagon is 78.59  
[gabe@fedora Lab05]$ █
```

### Problem 3

```
Enter a string:  
Programming is fun!  
rgamn sfn[gabe@fedora Lab05]$
```

#### Problem 4

```
Enter an integer between 0 and 1000000: 123  
The sume of the digits is: 6  
gabe@fedora ~/D/m/F/C/Lab05 (master)>
```