

Montgomery College, CMSC 203

WorkSheet2

Module 1

Objectives

- Operator Precedence
- String Length
- String methods
- Reading input from keyboard

Preprogram Questions

1. What is the result of the following expression?

$25 / 4 + 4 * 10 \% 3$

- a) 19
- b) 5.25
- c) 3
- d) 7

2. What will be the value of z as a result of executing the following code?

```
int x = 5, y = 28;  
  
double z;  
  
z = (double) (y / x);
```

- a) 5.60
- b) 5.6
- c) 3.0
- d) 5.0

3. What is the output of the following code (what is displayed on the console)?

```
int myAge = 22;  
System.out.println("my age now: " + myAge);  
System.out.println("my age after 10 years " + myAge + 10);  
System.out.println(myAge + 10 + " is my age after 10 years");
```

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4. Which of the following statements correctly creates a Scanner object for keyboard input?

- a) `Scanner kbd = new Scanner(System.keyboard);`
- b) `Scanner keyboard(System.in);`
- c) `Scanner keyboard = new Scanner(System.in);`
- d) `Keyboard scanner = new Keyboard(System.in);`

Practice writing Java Program

1. Rearrange the code given below to accomplish the following goal:

- Prompt user to enter his/her age
- Input age
- Prompt user to enter his/her average score
- Input average score

```
public static void main(String[] args) {  
    Scanner input = new Scanner(System.in);  
}  
public class ScannerExample {  
  
    avgScore= input.nextDouble();  
    int myAge;  
    double avgScore;  
    System.out.println ("Enter your age:");  
    myAge = input.nextInt();  
    System.out.println ("Enter your average score:");  
}  
import java.util.Scanner;
```

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2. Write a program to accomplish the following goal:
 - Prompt the user to enter his/her name as (FirstName LastName)
 - Display the number of characters of the name entered
 - Display the name as all uppercase letters
 - Display the first character of the first name