

```

import java.util.Scanner;

// Michael Cohen
// Chapter 2: Programming Challenge 1
public class AnnualIncome
{
    public static void main(String[] args)
    {
        Scanner keyboard = new Scanner(System.in);

        String name;
        int age;
        double annualPay;

        System.out.println("What is your name?");
        name = keyboard.nextLine();

        System.out.println("What is your age?");
        age = keyboard.nextInt();

        System.out.println("What is your desired annual income?");
        annualPay = keyboard.nextDouble();

        System.out.println("My name is " + name + ", my age is " + age + " and I hope to earn $" + annualPay + " per year.");
    }
}

```

HelloWorld.java

CookieCalorieCounter.java

AnnualIncome.java

SalesPrediction.java

PlantingGrapevines.java

Compile Messages jGRASP Messages Run I/O Interactions

End

Clear

Help

```

----jGRASP exec: java AnnualIncome
What is your name?
>> Michael
What is your age?
>> 19
What is your desired annual income?
>> 100000
My name is Michael, my age is 19 and I hope to earn $100000.0 per year.

----jGRASP: operation complete.
>> [

```

```
// Michael Cohen
// Chapter 2: Programming Challenge 5[
public class SalesPrediction
{
    public static void main(String[] args)
    {

        double eastCoast = 0.62;
        double sales = 4600000;
        double prediction = sales * eastCoast;
        System.out.println("If the company makes $" + sales + " this year, then the East Coast division will generate $" + prediction + " .");

    }
}
```

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Compile Messages

jGRASP Messages

Run I/O

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Clear

Help

----jGRASP exec: java SalesPrediction

If the company makes \$4600000.0 this year, then the East Coast division will generate \$2852000.0 .

----jGRASP: operation complete.

```

import java.util.Scanner;

// Michael Cohen
// Chapter 2: Programming Challenge 20
public class PlantingGrapevines
{
    public static void main(String[] args)
    {
        Scanner keyboard = new Scanner(System.in);

        double vines;
        double length;
        double endpost;
        double space;

        System.out.println("What is the length of the row in feet?");
        length = keyboard.nextDouble();

        System.out.println("How much space is used by an end-post assembly in feet?");
        endpost = keyboard.nextDouble();

        System.out.println("How much is there in between vines in feet?");
        space = keyboard.nextDouble();

        vines = (length - (2 * endpost))/space;
        System.out.println(vines + " grapevines will fit into this row.");
    }
}

```

HelloWorld.java

CookieCalorieCounter.java

AnnualIncome.java

SalesPrediction.java

PlantingGrapevines.java

Compile Messages

jGRASP Messages

Run I/O

Interactions

End

Clear

Help

```

----jGRASP exec: java PlantingGrapevines
What is the length of the row in feet?
10
How much space is used by an end-post assembly in feet?
1
How much is there in between vines in feet?
2
4.0 grapevines will fit into this row.

----jGRASP: operation complete.

```