

Name: Martin Hynes

Student ID: 16390836

```
/*Import Scanner Utility*/
```

```
import java.util.Scanner;
```

```
/*Create Public Class*/
```

```
public class Question1{
```

```
    /*Create Main method*/
```

```
    public static void main(String[] args){
```

```
        /*Create Scanner object*/
```

```
        /*Scan for first input, name*/
```

```
        Scanner scan = new Scanner(System.in);
```

```
        System.out.print("Enter your name: ");
```

```
        String name = scan.next();
```

```
        /*Scan for ints only for second input, age*/
```

```
        System.out.print("Enter your age: ");
```

```
        int age = scan.nextInt();
```

```
        /*Print name and age*/
```

```
        System.out.println("Hello " + name + " you are " + age + " years old.");
```

```
    }
```

```
}
```

```
D:\>cd Users\marti\Files\Programming\Java
```

```
D:\Users\marti\Files\Programming\Java>java Question1
```

```
Enter your name: Martin
```

```
Enter your age: 19
```

```
Hello Martin you are 19 years old.
```

Question 2:

```
/* importing java scanner utility*/
```

```
import java.util.Scanner;
```

```
/* creating public class*/
```

```
public class Question2{
```

```
    /*Creating main method*/
```

```
    public static void main(String[] args){
```

```
        /*Creating Scanner object and taking gender input*/
```

```
        Scanner scan = new Scanner(System.in);
```

```
        System.out.print("Enter whether you are Male or Female: ");
```

```
        String gender = scan.next();
```

```
        /*Taking age input (int only)*/
```

```
        System.out.print("Enter your age: ");
```

```
        int age = scan.nextInt();
```

```
        /*Taking accident free years as integer input*/
```

```
        System.out.print("Enter number of accident free years driving: ");
```

```
        int years = scan.nextInt();
```

```
        /*If else loop on whether to continue or not (If person is eligible for insurance)*/
```

```
        if (age > 75){
```

```
            System.out.print("Sorry, we do not insure people in your age group.");
```

```

    } else if (age < 20){

        System.out.print("Sorry, we do not insure people in your age group.");

        /*Else loop if eligible*/

    } else {

        /*Creating base integer, default 1500*/

        int base = 1500;

        /*Adding 200 if Male*/

        if (gender.equals("Male")){

            base = base + 200;

        }

        /*Taking 700 if 25 or over*/

        if (age >= 25){

            base = base - 700;

        }

        /*Defaulting accident free years to the maximum of 5*/

        if (years > 5){

            years = 5;

        }

        /*Creating double for the estimate, running formula, and printing*/

        double estimate = base - .1*base*years;

        System.out.print("Your estimate is " + estimate + ".");

    }

}

```

```
}
```

```
D:\Users\marti\Files\Programming\Java>java Question2
Enter whether you are Male or Female: Male
Enter your age: 22
Enter number of accident free years driving: 2
Your estimate is 1360.0.
D:\Users\marti\Files\Programming\Java>_
```

```
Enter whether you are Male or Female: Female
Enter your age: 20
Enter number of accident free years driving: 0
Your estimate is 1500.0.
```