Question 2

Classes

- Adult Class – Class to set the name, age, amount paid and selected course of an Adult
- Junior Class - Class to set the name, age, amount paid and selected course of an Adult
- Spinning Class – Class to enrol adults and juniors onto spinning classes
- Yoga Class - Class to enrol adults and juniors onto Yoga classes

Adult Class Variables

- Type String – Adult Name
- Type integer – Adult Age
- Type Integer – AmountPaid. This checks the amount an adult has paid for a course.
- Type String – SelectedCourse. The fitness class selected by the adult.

Adult functions

- Getter function for Adult Name
- Setter function for Adult Name
- Getter function for Adult Age
- Setter function for Adult Age
- Getter function for AmountPaid
- Setter function for AmountPaid
- A constructor method that sets the initial values of Adult Name, Adult age, AmountPaid and SelectedCourse
- To String function for printing variables to string form

Junior Class Variables

- Type String – Junior Name
- Type integer – Junior Age
- Type Integer – AmountPaid. This checks the amount a Junior has paid for a course.
- Type String – SelectedCourse. The fitness class selected by the Junior.

Junior functions

- Getter function for Junior Name

- Setter function for Junior Name
- Getter function for Junior Age
- Setter function for Junior Age
- Getter function for AmountPaid
- Setter function for AmountPaid
- A constructor function that sets the initial values of Junior Name, Junior age, AmountPaid and SelectedCourse
- To String function for printing variables to string form

Spinning Class Variables

- Type String – MembershipType. This can be either gold, bronze or silver
- Type integer – Age

Spinner Class functions

- Adult membership function – Takes an string value as an argument and based on that string value updates the MembershipType variable to either gold bronze or silver.
- Adult SpinningClass function – Takes the integer value. Checks if the integer is greater than 18 and checks the value of the Membership variable to see if it's Gold, bronze or silver. Returns a string letting the user which course they enrolled on.

- Junior membership function – Takes an integer value as an argument and based on that integer value updates the MembershipType variable to either gold bronze or silver.
- Junior SpinningClass function – Takes the integer value. Checks if the integer is less than 18 and checks the value of the Membership variable to see if it's Gold, bronze or silver. Returns a string letting the user which course they enrolled on.

Yoga Class Variables

- Type String – MembershipType. This can be either gold, bronze or silver
- Type integer – Age

Yoga Class functions

- Adult membership function – Takes an integer value as an argument and based on that integer value updates the MembershipType variable to either gold bronze or silver.
- Adult YogaClass function – Takes the integer value. Checks if the integer is greater than 18 and checks the value of the Membership variable to see if it's Gold, bronze or silver. Returns a string letting the user which course they enrolled on.

- Junior membership function – Takes an integer value as an argument and based on that integer value updates the MembershipType variable to either gold bronze or silver.
- Junior YogaClass function – Takes the integer value. Checks if the integer is less than 18 and checks the value of the Membership variable to see if it's Gold, bronze or silver. Returns a string letting the user which course they enrolled on.