Task 1

A program is required to display the times table selected by the user. The user is asked which table is to be displayed. Then the times table up to 10 is to be displayed.
1. Obtain the table value from the user.
2. Requires three integer variables: i, table and sum.
3. Use a for statement.
4. Use sum = i * table; as a statement in the for loop.

Task 2

A simple program is required to produce a conversion table for miles to Kms. The table is to cover the range of miles from 10 miles to 100 miles in steps of 10 miles.
1. Suggest the program is saved as "MilestoKms.java"
2. Requires two variables. Determine the name and data type for each one.
3. Use a for statement.
4. Miles can be used as the for loop variable.
The output should appear as follows (Hint use escape characters to format the output) :

Miles	Kms
10	16
20	32
…	
100	160

Task 3

A simple program is required to add up all the heights of ten students. The application asks the user to input the ten heights. The average height is to be calculated. Design the solution in pseudo code and then implement it.

Task 4

A program to play a simple guessing game is required. The application is to generate a random number between 0 and 100. The user then has up to 5 guesses then display a suitable message. To show whether the user has been successful in guessing the random number. Design the solution in pseudo code and then implement it.