|  |  |
| --- | --- |
| NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_ | **Computer Programming** |
| Bowling Project worksheet | **DATE: Thursday, April 04, 2019** |

**Variables:**

What variables are we going to need to keep track of?

|  |
| --- |
|  |

Simulation:

|  |  |  |
| --- | --- | --- |
| Score entered by user: | Output: | Variables |
| 124 |  | |  | | --- | | total =  numberOfGames =  highScore=  lowScore= | |
| 210 |  | |  | | --- | | total =  numberOfGames =  highScore=  lowScore= | |
| 84 |  | |  | | --- | | total =  numberOfGames =  highScore=  lowScore= | |
| 156 |  | |  | | --- | | total =  numberOfGames =  highScore=  lowScore= | |
| -1 | Print “The average is \_\_\_\_\_ over \_\_\_ games”  Print “Your highest score is \_\_\_\_”  Print “Your lowest score is \_\_\_\_” | |

What are their starting values going to be?

|  |
| --- |
| int total =  int numberOfGames =  int highScore=  int lowScore= |

We will ask them for a bowling score

Read it in (how?\_\_\_\_\_\_\_\_\_\_\_\_\_)

Now we will repeat this section, continually until they hit -1 (for or while loop)

{

Then, if they put in a valid score: Code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

{

Spit out a comment

|  |
| --- |
| total =  numberOfGames = |

Keep track of it (how will variables change?)

When will high score change? Code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

When will low score change? Code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

}

Else [meaning the score is not valid]

{

Tell them scores need to be between 0 and 300

}

Now ask for another score

Read in another score.

}

Print all the info (average, high score, low score)