**DAILY ASSESSMENT FORMAT**

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| **Date:** | **26 may 2020(python)** | **Name:** | **Veronica gudagur** |
| **Course:** | **python** | **USN:** | **4al16ec091** |
| **Topic:** | **While loop** | **Semester & Section:** | **8-B** |
| **Github Repository:** | **Veronica-g** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **C:\Users\Nelson\Desktop\p1.PNG**  **C:\Users\Nelson\Desktop\p2.PNG** |
| **While Loops**  While loops controls the iteration inside the loop.  They are different from for loop where the iteration is fixed.  We will see various examples   1. i = 0 2. numbers = [] 4. while i < 7: 5. print(f"At the top i is {i}") 6. numbers.append(i) 8. i = i + 3 9. print("Numbers now: ", numbers) 10. print(f"At the bottom i is {i}") 12. print("The numbers: ") 14. for num in numbers: 15. print(num)   Checking things before changing in the loop and understanding the output.   1. i = 0 2. numbers = [] 4. while i < 6: 5. print(f"At the top i is {i}") 6. numbers.append(i) 8. i = i + 1 9. print("Numbers now: ", numbers) 10. print(f"At the bottom i is {i}") 12. print("The numbers: ") 14. for xxx in numbers: 15. print(xxx) 16. i=0 17. li = [2,3,5,67,85,5,4] 18. max = len(li) 19. while i < max: 20. print (li[i]) 21. i=i+1   Break in a while loop as while loop never ends.   1. x = 256 2. total = 0 4. while x > 0: 5. if total > 400: 6. break 7. total =total+ x 8. x = x / 2   while in a while   1. line=1 #this is the initial variable 2. while line <= 5 : 3. pos = 1 4. while pos < line: 6. #This print will add space after printing the value 7. print (pos,) 9. #increment the value of pos by one 10. pos += 1 11. else: 12. #This print will add newline after printing the value 13. print (pos) 15. #increment the value of line by one 16. line += 1   Another while inside a while, let us see if you predict the number of stars.   1. i=1 2. while i < 11: 3. j = 0 4. while j < i: 5. print('\*',end='') 6. j=j+1 7. print() 8. i=i+1 9. print("Rest of the program") |

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