

Assignment on LOOPS in Python

Q1. Repetition of statement in program is called _____ (Iteration/Selection)

Q2. Write a statement in for loop to print the following pattern: 1 5 9 14 19

Q3. Write the output of the following:
for i in "csprog":
 print(i,end='-')

Q4. Convert the following loop into while loop:
for j in range(5,9):
 print(j)

Q5. What type of error is returned
for i in 123:
 print(i)

Q6. Write the code in while loop which print "A" infinite times.

Q7. Write a program to accept a number from the user and display it's factorial.

Q8. Write a program to print first 10 natural numbers in reverse order.

Q9. Write a program to accept a number from the user and display the sum of the digits.

Q10. Write a program to print the following pattern:
A
A B
A B C
A B C D

Q11. Write a program to accept a number from the user and display the reverse number.

Q12. Write a program to accept a number from the user and check whether it is palindrome or not.

Q13. Out of while and for loop which is preferable when you don't know the number of times the loop should run?

Q14. While loop will execute only when the condition given is true.(T/F)

Q15. Write the output of the following:
for i in ("String"):
 if i=='t':
 break
print(ord(i[0]))

Q16. Write a for loop which start from 7, stop at 13 and step is 2.

Q17. Write the output of the following:
for i in range(5):
 for j in range(5):
 break
 print("Hello")
print("Hello")

Q18 What is pass statement in python?

Q19. Write a program to print "Hello" n times using while loop. (Accept n from user)

Q20. Accept any number from user and display sum of the square of each digit(if number is 134, then answer is : 1 + 9 + 16 =26)

Q21. Find errors in the following code and correct it by rewriting the code
For k in [1,2,3,4,5):
 if k==3:
 break:
 else:
 print(k)

Q22. WAP to accept a number from the user and check whether it is palindrome or not.