

Assignemt-2.2 (Python loops)

Q1. Write a while loop in python that print numbers from 1 to 20.

Q2. Write a while loop to calculate the sum of the first 50 positive integers.

Q3. Write a python program with while loop to Print the multiplication table of a given number up to 10

Q4. Write a while loop in python that print only even numbers from 1 to 50.

Q5. Write a python program with while loop to Count the number of vowels in a given string using a while loop.

Q6. Print a number pattern using a while loop.

e.g.

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

Q7. Print a following pattern using a while loop.

```
* * * * *
* * * *
* * *
* *
*
```

Q8. Write a program to Print Only Uppercase Letters in a String with while loop.

e.g text='Hello Class'

output: H,C

Q9. Write a program to Skip Non-Digit Characters in a String.

e.g text= 'a1b2c3'

output='abc'

Q10. Write a program to ask user to enter password. If valid then print Access granted otherwise print access denied and ask to re-enter. Max 3 times user can re-enter the password.

Q11. Write a python program to provide features of simple ATM machine to users like withdraw, deposit and end operation (exit). Keep asking user with this features as option and work based on user input.

Q12. Write a program to print positive numbers from 1 to 50 with for loop.

Q13. Write a program to print even numbers till 50 with for loop.

Q14. Write a program to print odd numbers till 50 with for loop.

Q15. Write a program to print sum of all numbers till 50 with for loop.

Q16. Write a program to print each character of the string with for loop.

Q17. Write a program to find length of string with for loop (do not use len() function).

Q18. Write a python program to Count the number of vowels in a string with for loop.

Q18. Write a python program to Count Digits, Letters, and Special Characters in a String.

Q19. Write a program to Check if All Characters in a String are Unique.

Q20. Write a program to Find the Most Frequent Character in a String.

Q21. Write a program to Remove All Spaces from a String.

Q22. Write a program to Find the Position of All Vowels in a String.

Q23. Write a program to get each characters of 2 string together using for loop.

e.g a='abc'

x='xyz'

output:

a x

b y

c z

Q24. Write a python program to Combine Characters from Two Strings Alternatingly.

e.g a='abc'

x='xyz'

ax='axbycz'

Q25. Write a program to Compare Two Strings for Common Prefix.