PYTHON-

DAY 6

1)how to print in python

2)how to comment for single line (#) and for multi line (''')

3)comments defines 2 things

4)1 for other user to get info about code

5)2 for interpreter to ignore the lines written within them

6)what is variable(which holds some value) that may be string, number,etc

7)how to check variable type used using - type

8)how to concatenate(+) two strings and cast(convert to other datatypes)

9)How to print dynamic values using string format {} and we can specify arguments to locate {2}

10)how to use functions In python

11)how to take input from user

12)how to use complex datatype(real & imaginary)

13)how to find distance btw two points using Euclidian distance - abs

14)how to find midpoint

15)how to use import keyword

16)how to use random

17)how to use length of character

18)how to use "in" to find string in paragraph

19)how to use uppercase and lowercase and slice

20)how many travlled km to miles

21)how to use round for reducing decimal values

22)how to use strip to remove space

23)how to replace('existing' with 'replace')

24)how to concatenation and with space

25)how to use endswith(returns T/F)

26)how to use count(count of occurance

27)how to use find(it will return character index)

Problem statement

1)how to print variables in print statement

2)how to print sqrt of a number

3)how to swap two numbers using temp and without temp variable

4)area of triangle

5)how to print the random values from user input

DAY 7

1)Collections

2)how to create, check datatype and print the list

3)len and count function

4)access item and check presence of the item in a list

5)how to add items-.append(element to add),+,.insert(index where we want to add the element)

6)how to find index-.index(element)

7)problems with list allows multiple items

8)how to remove data by name, index, clear data from list

9).sort datatype

10)create tuple and add items ,find length, if values can be replaced or not in tuple

11)indentation

12)if statement

13)

14)

15)

16)set datatype

17)isnumeric

18)dictionary,if,elif,else

19)loop-break statement

20)for loop

21)break statement(comes out of loop)

22)continue(redirect to loop again)

**DAY 8**

1. Task- need to print 2-40 number but with a step of 3 using for and while loop
2. .
3. How to connect python to sql server
4. Create table in python
5. Insert data
6. Transaction and ACID
7. Auto commit
8. Create database and check if it exists or not
9. Read all rows
10. .
11. .
12. Function
13. F string f”jdnjasdvj {tablename}”
14. Return

**Day 9**

1. Lambda Function-simplified one line functions
2. If else in lambda
3. Isaplha
4. Class concept
5. De \_\_init\_\_
6. Inheritance
7. Polymorphism and method overriding
8. Encapsulation
9. Single and double underscore- protected and private
10. Abstraction
11. Try and catch

**Day 10**

1. Method overloading
2. \* and \*\* their use aka args and kwargs
3. Reading and writing in file : also learnt how to append data so that it doesn’t overwrite data
4. **Moving onto cloud and other topics:-**
5. Any arithmetic operations with the help of hardware and software is called computing
6. SAAS ex-, PAAS,IAAS
7. Major role of service providers like Azure,AWS is to provide the infrastructure and advanced tools in exchange for money
8. They provide things like VM, Azure Kubernetes Services-provides a container.
9. resource groups help us in clubbing our resources together and makes it easier for us to manage the services.
10. Serverless compute services means an environment where we only have to work with the language and the queries no need to install anything and you pay for the service that you have used and that’s it
11. BLOB-binary large object is memory for unstructured data like image. File storage- Queue storage for messages
12. Azure SQL DB- based on SQL Server,Cosmos DB- for large scale
13. CDN- distributes content all over the world and provides faster access and read data super fast.
14. Azure Cognitive services- pre built AI tools for vision speech etc
15. Use cases
16. Web hosting
17. Backup
18. Gaming
19. Blockchain
20. Applications development
21. Key concept
22. Resource group
23. Portal
24. ARM
25. VM
26. VNET
27. AAD(Azure active directory)- you can give a set of permissions to other users in your services
28. SAS- shared access signature