**Test**

1.write the applications of devops real scenario?

Devops it bridges a gap between developers and opertional team.

developers they develop apllications(write code)

opertional team they maintain whole infrastructure of the software

2.explian about deployement models.mention different types of cloud computing?

Types of cloud computing:

public: it is used for general purpose example google

private:it is maintened by organization

hybrid:it combines public and private

community:it is maintained by group of organization

3.difference between IAAS,PAAS AND SAAS?

IAAS:Infrastructure as a service

Data,application,run-time,os,middleware maintend by developers

visualixtion,server,storage,networking maintained by clients

PAAS:Platform as a service

Data and application is maintained by developer

Remaining all are mainted by clients

SAAS:Software as a service

only Data is mainted by developers

Remaining all are mainted by clients

4.define software Development Life cycle(SDLC) ?

SDLC Cylce is to ensure that product/project is delivered with quality within time and meets the customer requirements.

SDLC Cycle includes: reqirement analysis,designing,development,testing,maintaining

5.differentiate between waterfall and agile methodologies in SDLC.Highlight the advantages and disadvantages of each?

Watefall model:If it performes as per the flow there will be no errors,defect in software

In this testion is done in done at another stage

cost is less at initail stage as testing is done at later stage

overall investemt is more as recheckingis done if there is any defect after deployment

steps to waterfall model:Requirement analysis,designing,coding,testing,maintaining

6.explain detail about:

a.unit testing:In unit testing indiviual components are tested to check the performence of each component

b.integration testing:In integration testing indivual units are tested as a group like top-down,bottom-up,big-bang,sandwich

c.system testing:whole application is tested

7.why public cloud better than others mention the reasons?

public cloud is better bacause it can be accesed by everyone anybody can access.example Google it is public

8.write a python program to check the number is palindrome or not?

9. a)write a python program to check if a number is odd or even?

number=int(input("enter the number:"))  
if number\*2==0:  
 print("It is even number",number)  
else:  
 print("It is odd number",number)

b) write a python program to check if a number is positive or negative?

10. write a python program to print your name 100 times?

name=input("enter name:")  
numbers=name\*100  
print(numbers)

11. write a python program to find the factorial of a number?

12. write a python program to take two list and perform the operations union,intersection and difference?

union

list1=(1,2,3,4,5)

list2=(4,5,6,7,8)

number=list1.union(list2)

print(number)

intersection

list1=(1,2,3,4,5)

list2=(4,5,6,7,8)

number=list1.intersection(list2)

print(number)

13.write the difference between list,tuple,set and dictionary?

LIST

List it is ordered

It is mutable

It can have duplicates

Reprented by []

It can Add,remove,create,split and all

It can be of any datatype

TUPLE

It is ordered and same as List

It is mutable

Repreented by ()

It can also add,remove,create

SET

It is unordered

It is immutable

Reprented by {}

DICTIONARY

It is ordered

It is represented in form of {key:value}

It is mutbale(key is immutbale,value is mutable)

14.mention top 10 cloud providers?

15.difference between break,continue and pass?

Break :if condition satisfied it will stop the iterating loop

Continue:if condition is satified also it skips the current condition and continue iteration