'''

NOTE: Every program should follow exception handling.

'''

#1. WAP to check given number is prime or not?

#2. WAP to take sentence and word from the user and remove the given word from the sentence

#3. WAP to ADD two lists l1=[1,2], l2=[3,4] result=[4,6]

#4. What is list comprehensions, give an example

#5. What is map, give an example?

#6. What is the generator, what are the ways to create it?

#7. What is zip? Give an example?

#8. What are the different ways to update the existing dictionary?

#9. When do you use tuple? when do you use list to reffer the multiple values?

#10. What are \* args? Give an example

#11. What are \*\*kwargs? give an example

#12.what are keyword arguments? Give an example

#13. Does the below code executes?

def fun(a=10,b):

return a+b

#14.Does the below code executes

def fun(\*args,\*\*kwargs,b,c):

print b,c

#15. What is a class? write an example program to demonstrate class.

#16. What is databinding? write an example program to demonstrate databinding.

#17. What is an inheritance? write an example program to demonstrate inheritance.

#18. What is method overriding? write an example program to demonstrate method overirding.

#19. What is method over loading? write an example program to demonstrate method overloading.

#20. What is operator overoloading? write an example program to provide + operator support to two instances of particular class.

#21 override the \_\_add\_\_ method of predefined list class.

#22 call parent create method in child class method create. reffer the below code.

class c1:

def create(self):

print "create method"

class c2(c1):

def create(self):

print "child class create method definition"

# how to call parent class create method here?

#23 what is the ouput of the below code

class c1:

def create(\*a):

print a

o1=c1()

o1.create(10,20)

#24. Whats happen when create an instance of a class in background?

#25. WAP to provide database table data to the out side world using socket programing. Use modular approach (10 Marks).

#26. WAP to connect remote system and get the currently running processes (2 Marks)

27. def outer():

def inner():

return 10

return inner

WAP to call inner function

28. def fun():

return “this is function”

f1=fun

f2=fun()

what is the type(f1)?

What is the type(f2)?

29. f= lambda x:x\*\*2

what is the type(f)

30. def fun(a,b,x=20,y=30)

return a+b+x+y

WAP to pass values to a,b,y but not x.

31. f=lambda x: 10 if x else 20

print f(10)

output?

32. print map(int,[‘c’,’d’],[12,13])

output?

33. l=[1,2,3,4]

print l\*3

output?

34. l=[1,2,3,4]

a=l+[5,6]

b=l.append([5,6])

c=l.extend([5,6])

what is the difference among a,b,c.

Output of a,b,c,l?

35. l=range(10,100,10)

print l[20]

print l[20:]

print l[20:0:-1]

print l[20:0]

output?

36. what are the different ways to add an elements to a dictionary. Write an example program

37. Write a program to perform stack operations using list?

38. what are the default functions for tuple?

39. list out string functions?

40. What is the difference among dict.items(), dict.iteritems(), dict.viewitems()? Elaborate with an example.

41. d= {1:100,1:1000}

print d[1] output?

42. d={1:10,2:20}

print d[10]

print d.get(10)

what is the output?

43. WAP to check given value is present in dictionary or not?

44. s=”python”

WAP to remove “o” from s.

45. l=[i+10 if i>3 else i+20 for I in range(10) if I%2==0]

print l

output?

46. if -10:

print “-10”

else:

print “10”

output?

47.i=0

while i<10:

print I

How many times above loop iterates?

48. print “12” > “2”

49. print 23<”2”

50.Write a program to create a table, insert values, update values, delete values of the table.

All database operations code write in a file and call these operations in different file.

Use db\_operations.py and app.py file names.(5M)

51. WAP to Connect to remote system and get the number of processes currently running in the system (3M)

52. WAP to get a json data from browser. IF type usrl http:localhost:8889 in the browser, then we should see any json data in the browser.(2M)

53. Write service program to check requested number is prime number or not using socket (3M)

54. WAP to send request to the above program. (2M)

55. WAP to do the below operations.(2M)

a.Open a file in write mode and fill the file with persons information in unstructured format

b. write a regular expression to fetch email and phone numbers.

56. WAP to fetch ip addresses from the unstructured data?

57. Write a class and constructor to create an instances like below

a. p1 = person(id=1,name=”ashok”,age=23,sal=56787)

b. p2 = person(id=2,age=24,adhar=23456)

c. p3 = person(id=4,pan=”brcp3456”,sal=23,age=45)

58. Write a class DB, to do all database operatons(insert, update, delete) for a table (5M)