**PYTHON QUESTIONS - 5**

1)What will be the output of the following code snippet?

a = [1, 2, 3]

a = tuple(a)

a[0] = 2

print(a)

A) [2, 2, 3]

B) error

C) (1, 2, 3)

D) (2, 2, 3)

Ans) error

2) What is the difference between lists, tuples and sets?

Ans) Tuple is immutable , list and set is mutable. List and tuple allowed duplication.

3) Write a program in Python to check if a number is prime.

Ans)

n=int(input("Enter a number:"))  
for i in range(2,n):  
 if(n%i==0):  
 print("Not a prime")  
 break  
else:  
 print("Prime")

output:-

Enter a number:9

Not a prime

Enter a number:5

Prime

4) A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

12 days

15 days

16 days

18 days

Ans)15 days