**WHILE LOOP-XI**

**OUTPUT QUESTIONS**

**Find output of the followings:-**

1. i=1

j=4

while i<4:

while j<7:

print(i,”,”,j)

j=j+1

i=i+1

1. i=1

while True:

if i%3==0:

break

print(i)

i + =1

1. i=1

while True:

if i%7==0:

break

print(i)

i +=1

1. i=1

while True:

if i%009==0:

break

print(i)

i +=1

1. i=1

while True:

if i%2==0:

break

print(i)

i +=2

1. True=False

while True:

print(True)

break

1. x=”abcdef”

i=”a”

while i in x:

x=x[:-1]

print(i,end=””)

1. x=”abcdef”

i=”i”

while i in x:

x=x[:-1]

print(i,end=””)

1. x=”abcdef”

i=”a”

while i in x[:-1]:

print(i,end=””)

1. x=”abcdef”

i=”a”

while i in x:

x=x[1:]

print(i,end=””)

1. x=”abcdef”

i=”a”

while i in x[1:]:

print(i,end=””)

1. s=””

n=5

while n>0:

n -=1

if (n%2)==0:

continue

a=[‘foo’, ‘bar’, ‘baz’]

while a:

s += str(n) + a.pop(0)

if len(a) < 2:

break

1. a=[‘foo’, ‘bar’, ‘baz’, ‘qux’, ‘corge’]

while a:

print(a.pop())

else:

print(“Done”)

**Write Programs:-**

1. Take input of 10 integers using loop and print their average value on screen.
2. Write a program to print the following patterns using loop:
3. \*

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1. \*

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1. Write a program to display the result of the following series:-

1+2+3+4+…………..+n

Where ‘n’ is an input from user.

1. Take input of a four digit number and display its reverse (using loop).
2. Write a program to calculate factorial of a number.
3. Write a program to print the square of all numbers from 0 to 10.
4. Write a program to read three numbers (a,b,c) and check how many numbers between ‘a’ and ‘b’ are divisible by ‘c’.
5. Write a program to print the first 10 numbers of the fibonacci series.
6. Write a program to check if the given number is prime or not.
7. Write a program to print all prime numbers between 0 to 100, and print how many prime numbers are there.
8. Write a program to print out the first 12 numbers in the 10 times table.
9. Assume a non-empty list ‘a’. Write a one line while loop that uses the list.pop() method to remove all the values from ‘a’.
10. Write a program to find Armstrong number in an interval.
11. WAP to convert decimal to binary, octal and hexadecimal.
12. WAP to find HCF or GCD.
13. WAP to find LCM
14. WAP to find factors of a number.
15. Take input of a number and display whether it is a strong number or not.