Write the output of the following codes:

|  |  |
| --- | --- |
|  | Output: |
| x="123"  for i in x:  print(i) | 1  2  3 |
| i=8  while True:  if (i%3==0):  break  print(“A”) | Infinite loop |
| i=9  while True:  if (i%3==0):  break  print(“A”) | No output |
| i=0  while i<3:  print(i)  i=i+3  else:  print(0) | 0  1  2  0 |
| i=0  while i<3:  print(i)  i=i+1  print(0) | 0  0  1  0  2  0 |
| i=2  for x in range(i):  i+=1  print(i)  print(i) | 3  3  4  4 |
| i=2  for x in range(i):  x+=1  print(x)  print(x) | 1  2  2 |
| i=2  for x in range(i):  x+=1  print(x)  print(x) | 1  1  2  2 |
| i=100  while i<57:  print(i)  i=i+5 | No output |
| i=100  while i>57:  print(i+1)  i+=5 | Infinite loop |
| Write a code to print the following pattern | |
| 1  1 1  1 1 1  1 1 1 1  1 1 1 1 1 | for i in range(1,6):  for j in range(1,i+1):  print(“1”,end=” “)  print() |
| 1  1 2  1 2 3  1 2 3 4  1 2 3 4 5 | for i in range(1,6):  for j in range(1,i+1):  print(j ,end=” “)  print() |
| 1  2 2  3 3 3  4 4 4 4  5 5 5 5 5 | for i in range(1,6):  for j in range(1,i+1):  print( i ,end=” “)  print() |
| 5  4 4  3 3 3  2 2 2 2  1 1 1 1 1 | for i in range(5,0,-1):  for j in range(5,i-1,-1):  print( i ,end=” “)  print() |
| 5  5 4  5 4 3  5 4 3 2  5 4 3 2 1 | for i in range(5,0,-1):  for j in range(5,i-1,-1):  print( j ,end=” “)  print() |
| 1  2 3  3 4 5  4 5 6 7  5 6 7 8 9 | for i in range(1,6):  for j in range(i,i+1):  print( j ,end=” “)  print() |
| 1  2 1  3 2 1  4 3 2 1  5 4 3 2 1 | for i in range(1,6):  for j in range(i,0,-1):  print( j ,end=” “)  print() |
| \*  \* \*  \* \* \*  \* \* \* \*  \* \* \* \* \* | for i in range(1,6):  for j in range(i,i+1):  print( “\*” ,end=” “)  print() |