Exercise 6-1

What is the print out of the following program?

|  |  |
| --- | --- |
| 1 | count = 1  NUM\_TIMES = 10  while count <= NUM\_TIMES:  print(count,". I love programming in Python!", sep ="")  count = count + 1 |
| 2 | count = 0  NUM\_TIMES = 10  while count < NUM\_TIMES:  count = count + 1  print(count,". I love Python!", sep ="") |
| 3 | count = 1  while count <= NUM\_TIMES:  # Insert code to be repeated here.  count = count + 1  print("count =", count) |
| 4 | count = 1  while count <= 50:  print(2\*count)  count = count + 1 |
| 5 | count = 2  while count <= 100:  print(count)  count = count + 2 |
| 6 | count = 1  while count <= 50:  print(2\*count-1)  count = count + 1 |
| 7 | count = 1  while count <= 100:  print(count)  count = count + 2 |
| 8 | count = 2  while count <= 1024:  print(count)  count = 2\*count |

|  |  |
| --- | --- |
| 9 | MAX\_TERM = 100  sum = 0  count = 1  while count <= MAX\_TERM:  sum = sum + count  count = count + 1  print("The total is ",sum,".", sep="") |
| 10 | while count <= MAX\_TERM:  sum = sum + count  count = count + 1  print("count =", count, "sum =", sum) |
| 11 | while 2\*count-1 <= MAX\_TERM:  sum = sum + (2\*count – 1)  count = count + 1  print("count =", count, "sum =", sum) |
| 12 | sum = 0  number = int(input("Enter your list, ending with 0.\n"))  while number != 0:  sum = sum + number  number = int(input(""))  print("The sum of your numbers is ", sum,".", sep="") |
| 13 | import random  MAX\_VAL = 100  num\_guesses = 0  guess = -1  secret = 1 + random,randint(1, MAX\_VAL)  while guess != secret:  guess = int(input("Enter your guess.(1 to "+ str(MAX\_VAL)+")\n"))  if guess == secret:  print("You win!")  elif guess < secret:  print("Your guess is too low. Try again!")  else:  print("Your guess is too high. Try again!")  num\_guesses = num\_guesses + 1  print("You won with",num\_guesses,"guesses.") |

|  |  |
| --- | --- |
| 14 | import random  MAX\_VAL = 100  num\_guesses = 0  guess = -1  done = False  secret = 1 + random.randint(1, MAX\_VAL)  while not done:  guess = int(input("Enter your guess.(1 to "+ str(MAX\_VAL)+")\n"))  if guess == secret:  done = True  elif guess < secret:  print("Your guess is too low. Try again!")  else:  print("Your guess is too high. Try again!")  num\_guesses = num\_guesses + 1  print("You won with",num\_guesses,"guesses.") |