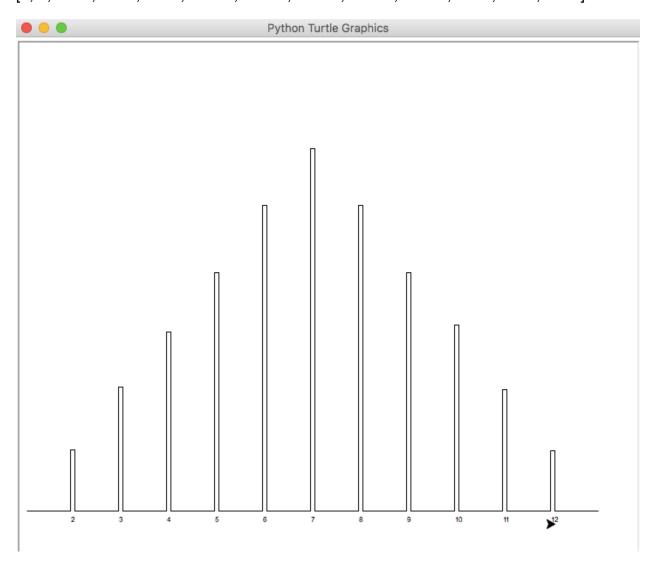
Please enter number of times of rolling dice: 100000 [0, 0, 2812, 5691, 8191, 10916, 13984, 16604, 14009, 10928, 8536, 5574, 2755]



CODE:

```
Program #1
import random
def main():
  diceSumNum = open("diceSumNum.txt", "w")
  numSums = getUserInput()
  for i in range (numSums):
    dice1 = random.randint(1,6)
    dice2 = random.randint(1,6)
    sum = str(dice1 + dice2) + \n'
     diceSumNum.write(sum)
  diceSumNum.close()
def getUserInput():
  while True:
    try:
       return int(input("Please enter number of times of rolling dice: "))
    except ValueError:
       print("Invalid input. Please try again!")
main()
Program #2
def main():
  sort = [0]*13
  diceSumNum = open("diceSumNum.txt", "r")
  sortFile = open("sortFile.txt", "w")
  line = diceSumNum.readline()
  while(line!="):
    line = line.rstrip('\n')
    lineInt = int(line)
    sort[lineInt]+=1
    line = diceSumNum.readline()
  for i in range (len(sort)):
    sortFile.write(str(sort[i])+\n')
  diceSumNum.close()
  print(sort)
main()
```

```
Program #3:
import turtle
def main():
  g = turtle.Turtle()
  g.up()
  g.goto(-350, -200)
  g.down()
  g.speed(10)
  sortFile = open("sortFile.txt", "r")
  line0 = sortFile.readline()
  line1 = sortFile.readline()
  line = sortFile.readline()
  line = line.rstrip('\n')
  while(line!=""):
     lineInt = int(line)
     g.forward(50)
     if(lineInt!=0):
        g.left(90)
        g.forward(lineInt*0.1)
        g.right(90)
        g.forward(5)
        g.right(90)
        g.forward(lineInt*0.1)
        g.left(90)
     else:
        g.forward(5)
     line = sortFile.readline()
     line = line.rstrip('\n')
  g.forward(50)
  g.up()
  g.goto(-350, -215)
  for i in range (2,13):
     g.forward(51.5)
     g.write(i)
     g.forward(3.5)
  sortFile.close()
```

main()