# Q8: Please use getopt.getopt method to implement a Python script that finds the summation of 1+2+3+4+...+n

# Code: Sum1.py

```
#!/usr/bin/python
# Sum1.py
import sys, getopt
def usage():
 print 'Usage: Add1.py -h'
 print 'Usage: Add1.py -n <number>'
 print 'Usage: Add1.py --num=<number>'
def main(argv):
 num = "
 try:
   opts, args = getopt.getopt(argv,"hn:",["num="])
 except getopt.GetoptError:
   usage()
   sys.exit(2)
 for opt, arg in opts:
   if opt == '-h':
     usage()
     sys.exit()
   elif opt in ("-n", "--num"):
     num = arg
 print 'Number is ', num
 n= int(num)
 sum = 0
 for i in range(1,n+1):
     sum = sum + i
 print 'Sum is', sum
if __name__ == "__main__":
 main(sys.argv[1:])
```

# Input:

# **Output:**

# Q11. Please use getopt.getopt method to implement a Python script that finds the summation of two numbers

\$ sum.py -n 1 -m 2

```
Code: AddNum.py
```

```
#!/usr/bin/python3
# AddNum.py
import sys, getopt
def usage():
 print ('Usage: AddNum.py -h')
 print ('Usage: AddNum.py -n1 <number1> -n2 <number2>')
 print ('Usage: AddNum.py -num1=<number1> --num2=<number2>')
def main(argv):
 num1= "
 num2 = "
 try:
   opts, args = getopt.getopt(argv,"hn1:n2:",["num1=","num2="])
 except getopt.GetoptError:
   usage()
   sys.exit(2)
 for opt, arg in opts:
   if opt == '-h':
    usage()
    sys.exit()
   elif opt in ("-n1", "--num1"):
    num1 = arg
   elif opt in ("-n2", "--num2"):
    num2 = arg
 print 'Sum of two number is ', str(int(num1) * int(num2))
if __name__ == "__main__":
 main(sys.argv[1:])
```

### Input:

### **Output:**