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Project 1
Part A
CS 3130
Professor Galina
Code:
def main():
                    #Initilaize user input variable and set it to -1
  userNum = -1
  while userNum < 0:
                         #Verification loop to make sure user inputs a valid number
    userNum = int(input("Enter a positive number: "))
    if userNum < 0:
       print("Invalid number")
  print(fib(userNum))
                        #Run code
def fib(userNum):
                       #First fib number is 0
  if userNum == 0:
    return 0
  elif userNum == 1:
                       #Second fib bumber is 1
    return 1
                        #Third fib number is 1
  elif userNum == 2:
    return 1
  else:
    return(fib(userNum - 1) + fib(userNum - 2)) #Fib equation with recursion
```

## main()

## **Execution:**

esswemtAPTOP-315k84EO:/mnt/c/users/esswe/Documents/Coding/aigorithms/projecti\$ python3 ESSJIA.py Enter a positive number: 12 144