Lab 3

# Part 1

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| --- |
| integer1 = int(input("Integer 1:"))  integer2 = int(input("Integer 2:"))  integerMem1 = 0  inteherMem2 = 0  while integer2 != 0:  integerMem1 = integer2  integerMem2 = integer1%integer2  integer1 = integerMem1  integer2 = integerMem2  print(integer1) |

|  |
| --- |
| Integer 1:10586  Integer 2:14673  67 |
| Integer 1:468789  Integer 2:283054  307 |
| Integer 1:1073287  Integer 2:1079521  1039 |
| Integer 1:10141081  Integer 2:21086881  2027 |

# Part 2

|  |
| --- |
| weight = float(input("Weight in kg:"))  height = float(input("Height in meter:"))  BMI = weight / (height \* height)  if BMI > 25:  print ("High")  elif BMI < 18.5:  print ("Low")  else:  print ("Normal")  print (BMI) |
|  |

# Part 3

|  |
| --- |
| n = int(input("Input an integer: "))  p = 2  while p <= (n \*\* 0.5):  while (n % p) == 0:  print (p)  n = n // p  if p == 2:  p = 3  else:  p = p + 2  if n > 1:  print (n) |

|  |
| --- |
| Input an integer: 5719327  17  101  3331 |
| Input an integer: 25431814931  1907  3121  4273 |
| Input an integer: 94279509019  252971  372689 |
| Input an integer: 38813301417136789  197010707  197011127 |
| Input an integer: 1556297505879382311  3  259511641  1999007957 |