1.Arithmetic solns

Addition

a=3

b=6

c=a+b

print(c)

output

============ RESTART: C:/Users/test02/Documents/arith solns.py =============

9

>>>

Subtraction

a=6

b=3

c=a-b

print(c)

output

RESTART: C:/Users/test02/Documents/as sub.py ================

3

>>>

Multilplication

a=6

b=3

c=a\*b

print(c)

output

=============== RESTART: C:/Users/test02/Documents/as multi.py ===============

18

>>>

Division

a=6

b=3

c=a/b

print(c)

output

================ RESTART: C:/Users/test02/Documents/as div.py ================

2.0

>>>

Floor division

a=10

b=20

c=a//b

print(c)

output

=============== RESTART: C:/Users/test02/Documents/as f div.py ===============

0

>>>

Exponent

a=10

b=20

c=a\*\*b

print(c)

output

============= RESTART: C:/Users/test02/Documents/as exponent.py =============

100000000000000000000

>>>

Modulus

a=10

b=20

c=a%b

print(c)

output

============== RESTART: C:/Users/test02/Documents/as modulus.py ==============

10

2.prime number or not

g=int(input("enter the value of a :"))

i=2

for i in range (2,g):

if g%2==0:

print("the given number is not prime")

break

else:

print("the given number is prime")

output

enter the value of a :5678

the given number is not prime

>>>