

INT Project No.11

Course – B.Tech CSE

Course Code – INT108

Section – KOC34

Project By Group Of 3 Students –

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|---------------------------------|--------------|
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```
import random
n=random.randint(-11,20)
c=0
if n>0:
    print(n,"is a positive number")
elif n<0:
    print(n,"is a negative number")
else:
    print("It is 0")
if n%2==0:
    print(n,"is an even number")
else:
    print(n,"is a odd number")
if n>1:
    for i in range(2,n):
        if n%i==0:
            c=c+1
    if c==0:
        print(n,"is a prime number")
    else:
        print(n,"is a composite number")
else:
    print("neither prime nor composite")
print("Thank You!")
```

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
===== RESTART: C:\Users\akk75\OneDrive\Desktop\Project.py =====
-10 is a negative number
-10 is an even number
neither prime nor composite
Thank You!

>>>
===== RESTART: C:\Users\akk75\OneDrive\Desktop\Project.py =====
10 is a positive number
10 is an even number
10 is a composite number
Thank You!

>>>
===== RESTART: C:\Users\akk75\OneDrive\Desktop\Project.py =====
-8 is a negative number
-8 is an even number
neither prime nor composite
Thank You!

>>>
===== RESTART: C:\Users\akk75\OneDrive\Desktop\Project.py =====
18 is a positive number
18 is an even number
18 is a composite number
Thank You!

>>>
===== RESTART: C:\Users\akk75\OneDrive\Desktop\Project.py =====
-6 is a negative number
-6 is an even number
neither prime nor composite
Thank You!

>>>
===== RESTART: C:\Users\akk75\OneDrive\Desktop\Project.py =====
19 is a positive number
19 is a odd number
19 is a prime number
Thank You!

>>>
```

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n=random.randint(-11,20)
c=0
if n>0:
    print(n,"is a positive number")
elif n<0:
    print(n,"is a negative number")
else:
    print("It is 0")
if n%2==0:
    print(n,"is an even number")
else:
    print(n,"is a odd number")
if n>1:
    for i in range(2,n):
        if n%i==0:
            c=c+1
    if c==0:
        print(n,"is a prime number")
    else:
        print(n,"is a composite number")
else:
    print("neither prime nor composite")
print("Thank You!")
```