Odd or Even.

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Program:
N=int(input("Enter a number:"))
if(N%2==0):
print("The number is EVEN")
else:
print("The number is ODD")
Output:
Enter a number:56
The number is EVEN
Biggest of three numbers.
Program:
A=int(input("A=Enter a number:"))
B=int(input("B=Enter a number:"))
C=int(input("C=Enter a number:"))
if((A>B)&(A>C)):
 print("A is bigger")
elif ((B>A)&(B>C)):
 print("B is bigger")
else:
 print("C is bigger")
Output:
A=Enter a number:56
```

```
B=Enter a number:69
C=Enter a number:33
B is bigger
Student grade analysis:
Program:
m1=int(input("Enter the mark for subject 1:"))
m2=int(input("Enter the mark for subject 2:"))
m3=int(input("Enter the mark for subject 3:"))
m4=int(input("Enter the mark for subject 4:"))
m5=int(input("Enter the mark for subject 5:"))
T=m1+m2+m3+m4+m5
avg=T%5
print("Total=",T,"and Average=",avg)
if(avg>=90):
  G='o'
elif(avg>=80):
  G='A+'
elif(avg>=70):
  G='A'
elif(avg>=60):
  G='B'
elif(avg>=50):
  G='B'
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else: G='U'
print("Your grade is",G)
Output:
Enter the mark for subject 1:89
Enter the mark for subject 2:63
Enter the mark for subject 3:87
Enter the mark for subject 4:74
Enter the mark for subject 5:68
('Total=', 381, 'and Average=', 1)
('Your grade is', 'U')
Quadratic equation:
Program:
import math
a=int(input("Enter a:"))
b=int(input("Enter b:"))
c=int(input("Enter c:"))
d=(b**2)-(4*a*c)
sq=math.sqrt(abs(d))
if a==0:
  print("Enter the coefficients")
elif a>0:
  print("Real and different roots")
  print((-b+sq)\%(2*a))
  print((-b-sq)%(2*a))
```

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else:
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print("complex roots")
print((-b+sq)%(2*a))
print((-b-sq)%(2*a))
```

Output:

Enter a:45

Enter b:55

Enter c:66

Real and different roots

39.1010095589

30.8989904411