In [1]:
```
# wap ask the user enter a number
# find it is a even number or odd number
# idea: any number divide by 2 , the remiander=0
#       it is called as even number
n=eval(input("enter a number: "))
if n%2==0:
    print("even")
else:
    print("odd")
```

```
enter a number: 10
even
```

In [2]:
```
# Implement the above problem by taking a random input  between  1, 100
import random
st=eval(input("enter the start numver: "))
end=eval(input("enter the end number: "))
n=random.randint(st,end)
print(n)
if n%2==0:
    print("even")
else:
    print("odd")
```

```
enter the start numver: 1
enter the end number: 100
85
odd
```

In [5]:
```
# wap ask the user enter the distance
# if distance greater than 25km
#      then enter the charge
#      print the total cost
#otherwise
#      print free ride

distance=eval(input("enter the km for ur ride: "))
if distance>25:
    charge=eval(input("enter the charge for 1 km: "))
    print("good news you have charge applicable for only remaining ater  25")
    total=distance*charge
    print(f"total charge for extra {distance} charge is {total}")

else:
    print("free ride")
```

```
enter the km for ur ride: 30
enter the charge for 1 km: 10
good news you have charge applicable for only remaining ater  25
total charge for extra 30 charge is 300
```

In [6]:
```
# wap ask the user enter the distance
# cutoff distance enter 25
# if distance greater than 25km
#      print("good news your charge is aplicable for only remaining of 25")
#      chargeble distance= distance-cutoff
#      then enter the charge
#      print the total cost
#otherwise
#      print free ride
distance=eval(input("enter the km for ur ride: "))
cutoff_distance=25
if distance>25:
```

```
    charge=eval(input("enter the charge for 1 km: "))
    print("good news you have charge applicable for only remaining ater  25")
    charge_dis=distance-cutoff_distance
    total=charge_dis*charge
    print(f"total charge for extra {charge_dis} charge is {total}")

else:
    print("free ride")
```

```
enter the km for ur ride: 40
enter the charge for 1 km: 15
good news you have charge applicable for only remaining ater  25
total charge for extra 15 charge is 225
```

In [7]:

```
# wap ask the user enter the course
# ask the user enter the Institute
# if the course equal to data science and institute equal to naresh it
#     then you are good
# otherwise
#     you are bad

course=input("enter the course: ")
institute=input("enter the institute: ")
if course=='data science' and institute=='nareshit':
    print("you are good")
else:
    print("ur bad")
```

```
enter the course: data science
enter the institute: nareshit
you are good
```

In [8]:

```
# wap ask the user enter a random number between 1 to 10, treat this as number1
# ask the user enter another number from keyboard, treat this as number2
# if number1 equal to number2
#     print you won
# otherwise
#     print you lost

start=eval(input("enter the number"))
end=eval(input('enbter a number: '))
num1=random.randint(start,end)
num2=eval(input("enter the number"))

if num1==num2:
    print("won")
else:
    print("lose")
```

```
enter the number1
enbter a number: 10
enter the number20
lose
```

In [9]:

```
# wap ask the user enter number
# if number equal to 1 then print one
# if number equal to 2 then print two
# if number equal to 3 then print three
# otherwise  print enter a valid number

n=eval(input("enter the number: "))

if n==1:
    print("1")
elif n==2:
```

```
    print("2")
elif n==3:
    print("3")
else:
    print("enter a valid number")
```

```
enter the number: 3
3
```

In [10]:
```
# wap ask the user enter a number
# if that number greater than zero print postive
# if that number less than zero print negative
# otherwise print zero

num=eval(input("enter the number: "))
if num>0:
    print("positve")
elif num<0:
    print('negative')
else:
    print('zero')
```

```
enter the number: 25
positve
```

In [11]:
```
# WAP ask the user enter the percentage of marks 0 to 100
# if percentagw gretaer than 90  print A garde
# if percentage between 75 to 90 print B garde
# if percentage between 50 to 75 print C grade
# if percentage between 35 to 50 print D grade
# if percentage less than 35 print Fail
marks=eval(input("enter the marks: "))
if marks>90:
    print("A grade")
elif marks>=75:
    print("B grade")
elif marks>=50:
    print("c grade")
elif marks>=35:
    print("D grade")
else:
    print("fail")
```

```
enter the marks: 95
A grade
```

In [12]:
```
# WAP ask the user enter the age
# if the age greater tahn 100 print you are lucky
# if the age gretaer than 75 print old age
# if the age  between 50 to 75 print ss
# if the age between  30 tp 50 print MA
# if the age between  15 to 30 print young age
# if the afe between less than 15 print kid

age=eval(input("enter the age: "))
if age>75:
    print("oldage")
elif age>50:
    print("senior")
elif age>30:
    print("middle age")
elif age>15:
    print("young")
else:
    print("kid")
```

```
enter the age: 23
young
```

In [ ]: