```
In [14]:  AI=int(input())
          HRA=int(input())
          DED=int(input())
          TI=AI-HRA-DED
          if(TI<300000):
              print("no tax")
          elif(TI>300000 and TI<600000):
              r=TI*(10/100)

          elif(TI>600000 and TI<1000000):
              r=TI*(15/100)

          else:
              r=TI*(20/100)
          print("taxable income",TI)
          print("in between",r)
```

```
1500000
200000
3000
taxable income 1297000
in between 259400.0
```

```
In [15]:  for i in range(1,11):
              for j in range(1,11):
                  print(i,"X",j,"=",i*j)
              print()
```

```
1 X 1 = 1
1 X 2 = 2
1 X 3 = 3
1 X 4 = 4
1 X 5 = 5
1 X 6 = 6
1 X 7 = 7
1 X 8 = 8
1 X 9 = 9
1 X 10 = 10

2 X 1 = 2
2 X 2 = 4
2 X 3 = 6
2 X 4 = 8
2 X 5 = 10
2 X 6 = 12
2 X 7 = 14
2 X 8 = 16
2 X 9 = 18
2 X 10 = 20

3 X 1 = 3
3 X 2 = 6
3 X 3 = 9
3 X 4 = 12
3 X 5 = 15
3 X 6 = 18
3 X 7 = 21
3 X 8 = 24
3 X 9 = 27
3 X 10 = 30

4 X 1 = 4
4 X 2 = 8
4 X 3 = 12
4 X 4 = 16
4 X 5 = 20
4 X 6 = 24
4 X 7 = 28
4 X 8 = 32
4 X 9 = 36
4 X 10 = 40

5 X 1 = 5
5 X 2 = 10
5 X 3 = 15
5 X 4 = 20
5 X 5 = 25
5 X 6 = 30
5 X 7 = 35
5 X 8 = 40
5 X 9 = 45
5 X 10 = 50
```

```
6 X 1 = 6
6 X 2 = 12
6 X 3 = 18
6 X 4 = 24
6 X 5 = 30
6 X 6 = 36
6 X 7 = 42
6 X 8 = 48
6 X 9 = 54
6 X 10 = 60

7 X 1 = 7
7 X 2 = 14
7 X 3 = 21
7 X 4 = 28
7 X 5 = 35
7 X 6 = 42
7 X 7 = 49
7 X 8 = 56
7 X 9 = 63
7 X 10 = 70

8 X 1 = 8
8 X 2 = 16
8 X 3 = 24
8 X 4 = 32
8 X 5 = 40
8 X 6 = 48
8 X 7 = 56
8 X 8 = 64
8 X 9 = 72
8 X 10 = 80

9 X 1 = 9
9 X 2 = 18
9 X 3 = 27
9 X 4 = 36
9 X 5 = 45
9 X 6 = 54
9 X 7 = 63
9 X 8 = 72
9 X 9 = 81
9 X 10 = 90

10 X 1 = 10
10 X 2 = 20
10 X 3 = 30
10 X 4 = 40
10 X 5 = 50
10 X 6 = 60
10 X 7 = 70
10 X 8 = 80
10 X 9 = 90
10 X 10 = 100
```

In [2]:
```python
import pandas as pd
```

In [7]:
```python
data=pd.read_csv("student_data.csv")
```

In [8]:
```python
print(data)
```

```
   s.no  roll_numbe name  ssc  inter  sem programing   careeroption
0     1           1    A   96     98   85     python  data scientist
1     2           2    B   96     98   85     python  data scientist
2     3           3    C   96     98   85     python  data scientist
3     4           4    D   96     98   85     python  data scientist
4     5           5    E   96     98   85     python  data scientist
5     6           6    F   96     98   85     python  data scientist
6     7           7    G   96     98   85     python  data scientist
```

In [22]:
```python
n=int(input())
def pri(n):
    c=1
    for i in range(2,n+1):
        if(n%i==0):
            c=c+1
    if(c==2):
        return "it is prime"
```

```python
def evenodd(n):
    if(n%2==0):
        return "even"
    else:
        return "odd"
def div5(n):
    if(n%5==0):
        return "yes it is divisible by 5"
    else:
        return "not divisible by 5"
def cumsu(n):
    s=0
    for i in range(1,n+1):
        s=s+i
    return s


op1=pri(n)
op2=evenodd(n)
op3=div5(n)
op4=cumsu(n)
print(op1)
print(op2)
print(op3)
print(op4)
```

```
5
it is prime
odd
yes it is divisible by 5
15
```

In [ ]: