

ASSIGNMENT 2

1

```
num=int(input("number "))
if num%5==0:
    print("hello")
else:
    print("bye")
```

number 10

hello

2

```
a=int(input("number "))
if a%7==0:
    print("divisible by 7")
else:
    print("not divisible by 7")
```

number 49

divisible by 7

3

```
age=int(input("enter age "))
if(age>=18):
    print("eligible for voting")
else:
    print("not eligible")
```

enter age 23

eligible for voting

4

```
a=int(input("enter number "))
if (a%2)==0:
    print("number is even")
else:
    print("number is odd")
```

enter number 5

number is odd

5

```
unit = int(input("enter a electricity unit"))
if unit <= 100:
    print("no charge")
elif (unit > 100) and (unit<=200):
    unit = ((unit-100)*5)
    print("total bill is a ", unit)
elif (unit > 200):
    unit = ((unit-200)*10 + 500)
    print("total bill is a ", unit)
else:
    print("you enter a wrong value")
```

enter a electricity unit350
total bill is a 2000

6

```
a=int(input("enter the number="))
b=a%10
print(b)
```

enter the number=5602
2

7

```
a=int(input("enter the precentage="))
if a>90:
    print("A")
elif a>80 and a<=90:
    print("B")
elif a>=60 and a<=80:
    print("C")
else:
    print("D")
```

enter the precentage=68
C

8

```
a=int(input("Enter the price of bike"))
if a>1000:
```

9

```
a=int(input("enter the year="))
if a%400==0:
    print("given year is leap year")
elif a%4==0:
    print("given year is leap year")
else:
    print("given year is not a leap year")
```

enter the year=2020
given year is leap year

10

```
a=int(input("enter the num="))
if a==1:
    print("sunday")
elif a==2:
    print("monday")
elif a==3:
    print("tuesday")
elif a==4:
    print("wednesday")
elif a==5:
    print("thursday")
elif a==6:
    print("friday")
elif a==7:
    print("saturday")
else:
    print("wrong number")
```

enter the num=5
thursday

11

```
a= input("enter your city name=")
if a=="Delhi":
    print("red fort")
elif a=="agra":
    print("taj mahal")
elif a=="jaipur":
    print("jal mahal")
```

```
else:  
    print("wrong name of the city")
```

enter your city name=agra
taj mahal

12

```
a=int(input("enter your age ="))  
if a>60:  
    print("you are a senior citizen")  
else:  
    print("yor are not a senior citizen")
```

enter your age =65
you are a senior citizen

13

```
a=int(input("enter number="))  
if a%2==0 and a%3==0:  
    print("given number is divisible by 2 and 3 both")  
else:  
    print("given number is not divisible by 2 and 3")
```

enter number=65
given number is not divisible by 2 and 3

14

```
a=int(input("enter number="))  
if a>0:  
    print("given num is positive")  
else:  
    print("given num is negative")
```

enter number=20
given num is positive

15

```
a=int(input("age of A is="))  
b=int(input("age of B is="))  
c=int(input("age of C is="))  
d=int(input("age og D is="))  
if a<b and a<c and a<d:  
    print("A is the youngest one")
```

```

elif b<c and b<d:
    print("B is the youngest one")
elif c<d:
    print("C is the youngest one")
else:
    print("D is the youngest one")

```

age of A is=10
age of B is=20
age of C is=30
age of D is=45
A is the youngest one

16

```

char = input("enter a character")
if char == 'a':
    print("given character is vowel")
elif char == 'e':
    print("given character is vowel")
elif char == 'i':
    print("given character is vowel")
elif char == 'o':
    print("given character is vowel")
elif char == 'u':
    print("given character is vowel")
else:
    print("the given character is not vowel")

```

enter a characterp
the given character is not vowel

17

```

a = float(input(" Enter total no of working days"))
b = float(input(" Enter total no of absent days"))

c = a-b
print("No of present days is ", c)

percentage = (c/a)*100

if percentage < 75:
    print("student can not sit in exam")
else:
    print("student can sit in exam")

```

Enter total no of working days32
Enter total no of absent days5

No of present days is 27.0
student can sit in exam

18

```
a = int(input("first side of triangle: "))
b = int(input("second side of triangle: "))
c = int(input("third side of triangle: "))
if a==b==c:
    print("It is an equilateral triangle ")
elif a==b or a==c or b==c or a==b==c:
    print("It is a isosceles triangle")
elif(a!= b!= c):
    print("Its is a scalene triangle")
else:
    print("wrong num")
```

first side of triangle: 5
second side of triangle: 2
third side of triangle: 5
It is a isosceles triangle

19

```
age = int(input("Enter the age "))
gen = input("Enter the gender")
c = int(input("Enter the working days "))

if gen == 'M' and age in range(18, 30):
    sal = 700
    wage = sal * c
    print("wage is", wage )
elif gen == 'M' and age in range(30, 41):
    sal = 800
    wage = sal * c
    print("wage is", wage )
elif gen == 'F' and age in range(18, 30):
    sal = 750
    wage = sal * c
    print("wage is", wage )
elif gen == 'F' and age in range(30, 41):
    sal = 850
    wage = sal * c
    print("wage is", wage )
```

Enter the age 12
Enter the gender10

Enter the working days 25

20

```
a = int(input("first side of triangle: "))
b = int(input("second side of triangle: "))
c = int(input("third side of triangle: "))

if( a==0 or b==0 or c==0 ):
    print("Traiangle is not possible")
elif (a < b+c) or (b < a+c) or (c < a+b):
    print("Triangle is possible")
else:
    print("Traiangle is not possible")
```

first side of triangle: 5
second side of triangle: 2
third side of triangle: 6
Triangle is possible