

1. LEAP YEAR

```
In [3]: year=int(input("enter the year:"))
if year%4==0:
    print("leap year")
else:
    print("not leap year")
```

enter the year:2016
leap year

2. FIND LARGEST NUMBER

```
In [4]: n1=int(input("enter number:"))
n2=int(input("enter number:"))
n3=int(input("enter number:"))
if n1>n2 and n1>n3:
    largest=n1
elif n1<n2 and n2>n3:
    largest=n2
else:
    largest=n3
print("the largest number is",largest)
```

enter number:21
enter number:45
enter number:87
the largest number is 87

3. FIND SMALLEST NUMBER

```
In [5]: a=int(input("enter number"))
b=int(input("enter number"))
c=int(input("enter number"))
if a<b and a<c:
    smallest=a
elif a>b and b<c:
    smallest=b
else:
    smallest=c
print("the smallest number is",smallest)
```

enter number98
enter number65
enter number74
the smallest number is 65

4.SHOW THE DAY

```
In [6]: n=int(input("enter a number"))
if n==1:
    print("sunday")
elif n==2:
    print("monday")
elif n==3:
    print("tuesday")
elif n==4:
    print("wednesday")
elif n==5:
    print("thursday")
elif n==6:
    print("friday")
elif n==7:
    print("saturday")
else:
    print("null")
```

enter a number5
thursday

5. GRADE OF A STUDENT

```
In [7]: x=float(input("enter the marks"))
if x>90:
    print("the grade is A")
elif x>=75:
    print("the grade is B")
elif x>=65:
    print("the grade is C")
elif x>=50:
    print("the grade is D")
else:
    print("fail")
```

enter the marks48
fail

6. CALCULATOR

```
In [9]: a=int(input("enter number"))
x=float(input("enter any number"))
y=float(input("enter any number"))
if a==1:
    print(x+y)
elif a==2:
    print(x-y)
elif a==3:
    print(x*y)
elif a==4:
    print(x//y)
else:
    print("null")
```

```
enter number3
enter any number25
enter any number4
100.0
```

7. SHOW THE MONTH

```
In [10]: x=int(input("enter number"))
if x==1:
    print("january")
elif x==2:
    print("February")
elif x==3:
    print("march")
elif x==4:
    print("april")
elif x==5:
    print("may")
elif x==6:
    print("june")
elif x==7:
    print("july")
elif x==8:
    print("august")
elif x==9:
    print("september")
elif x==10:
    print("october")
elif x==11:
    print("november")
elif x==12:
    print("december")
else:
    print("no value")
```

```
enter number12
december
```

8. ASCENDING ORDER

```
In [11]: a=int(input("enter a number"))
b=int(input("enter a number"))
c=int(input("enter a number"))
ascending=[a,b,c]
ascending.sort()
print(ascending)
```

```
enter a number52
enter a number45
enter a number12
[12, 45, 52]
```

9. ELIGIBILITY TO VOTE

```
In [1]: age=int(input("Enter the age:"))
if age>=18:
    print("Eligible for vote")
else:
    print("Not eligible for vote")
```

```
Enter the age:19
Eligible for vote
```

10. CHECK WHETHER THE NUMBERS ARE EQUAL

```
In [2]: a=int(input("Enter the first number"))
b=int(input("Enter the second number"))
if a==b:
    print("The numbers are equal")
else:
    print("The numbers are not equal")
```

```
Enter the first number58
Enter the second number78
The numbers are not equal
```

```
In [ ]:
```