

```
x=7
if x>5:
    print("x is greater than 5")
```

x is greater than 5

2.check a charecter is a vowel

```
char = input("Enter a charecter:")
if char in ['a','e','i','o','u']:
    print(f"{char} is a vowel.")
else:
    print("{char} is not a vowel.")
```

Enter a charecter:g
{char} is not a vowel.

print if age is equal to 18

```
age=int(input("enter your age"))
if age >=18:
    print("Adult")
else:
    print("minor")
```

enter your age15
minor

4.check a number is divisible by 3

```
dvd=int(input("enter a number"))
if dvd/3:
    print("dvd is divisible by 3")
else:
    print("dvd is not divisible by 3")
```

enter a number21
dvd is divisible by 3

5.if elif else

```
num=int(input("enter a number"))
if num>(10):
    print("it is a small number")
elif num>(20):
    print("it is a medium number")
else:
    print("it is greater than 20")
```

```
enter a number13
it is a small number
```

6.can an if statement exist without an else block?with an example

```
num=7
if num>0:
    print("enter positive number")
    print("enter negative number")

enter positive number
enter negative number
```

7

```
num=float(input("enter a number"))
if 50<=100:
    print("num is between 50 and 100")
else:
    print("num is not between 50 and 100")

enter a number75
num is between 50 and 100
```

8.write a program to print all even number between 1 and 20

```
for i in range(1,21):
    if i%2==0:
        print(i)

2
4
6
8
10
12
14
16
18
20
```

9.correct the following code

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

```
enter a number6
even
```

```
for i in range(1,11):
    if i==5:
        break
    print(i)
```

```
1
2
3
4
```

```
total_sum=0
while True:
    number=int(input("enter a number"))
    if number==0:
        break
    total_sum += number
print("the sum of the numbers is :",total_sum)
```

```
File "<tokenize>", line 6
    total_sum += number
    ^
```

```
IndentationError: unindent does not match any outer indentation level
```