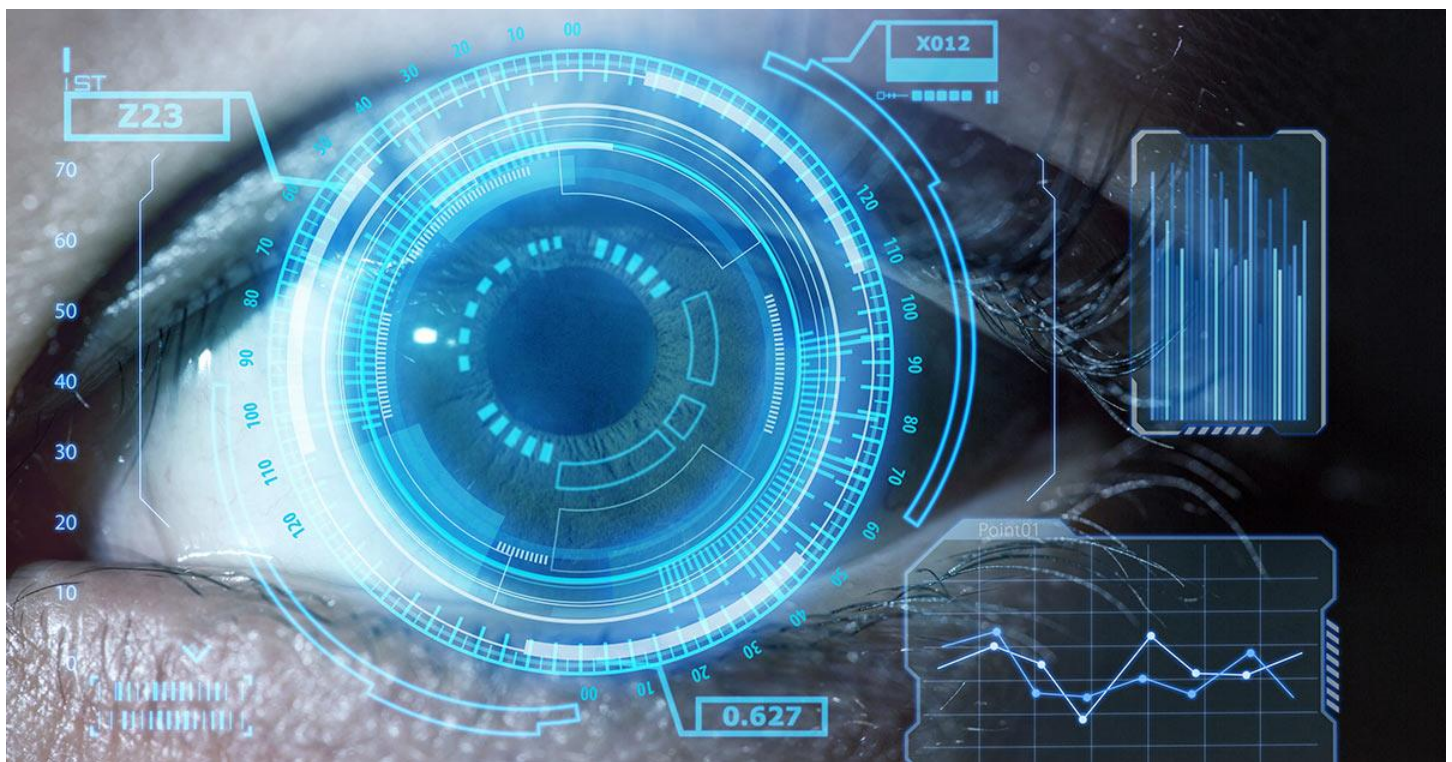


# “COMPUTER VISION”

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# SESSION NO.“1”

- PYTHON PROGRAMMING

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# 1. Python Course - Print Data

```
print("ahmed")
print(1)
print(1+2)
print("1+2")
print("Ahmed' course")
print('Ahmed say "hello"')
print('"'ahmed's course is "the best"'')
print("ahmed\nmohamed")
```

## 2. Python Course - Datatype and Variables

```
print(type(10))
print("-----")
print(type(10.5))
print("-----")
print(type(4+7j))
print("-----")
a=10
print(type(a))
print("-----")
b = 5+6j
print(type(b))
print("-----")
a,b,c = 1,2.3,4+7j
print(type(a),type(b),type(c))
print("-----")
a= "ya rab"
print(type(a),a)
```

## 3. Python Course- Math Operations

```
print(2+3)
print("-----")
print(5-2)
print("-----")
print(5*3)
print("-----")
print(9/3)
print("-----")
print(2**3)
print("-----")
print(8%6)
print("-----")
```

```

print(9//3)
print("-----")
a=2
b=4.6
c=5+6j
print(a+b+c)
print("-----")
x=2
y=8
z=5
o=9
r=(y*z)/x+o
print(r)

```

## 4. Python Course - Read input and Type Casting

```

e=input("ENTER THE FIRST NUMBER : ")
s=input("ENTER THE SECOND NUMBER : ")
z = e + s
print(z)
print("-----")
e=int(input("ENTER THE FIRST NUMBER : "))
s=int(input("ENTER THE SECOND NUMBER : "))
z = e + s
print(z)

```

## 5. Python Course - Conditional and Logical

### Operators

```

print(5<4)
print("-----")
print(5>4)
print("-----")
print(5==4)
print("-----")
print(5>=4)
print("-----")
print(5<=4)
print("-----")
print(5!=4)

```

```
print("-----")
print(5>4 and 6<4)
print("-----")
print(5>4 or 6<4)
print("-----")
```

## 6. Python Course - If Condition

```
age = int(input("ENTER YOUR AGE : "))
if age > 18 :
    print("good")
elif age == 18 :
    print ("acceptable")
else :
    print("bad")
print ("-----")
age = int(input("ENTER YOUR AGE : "))
gender = str(input("ENTER YOUR GENDER : "))
if age > 18 and gender == "m" :
    print("go")
else :
    print("back")
```

## 7. Python Course - LAB1

```
num1 = float(input("ENTER YOUR FIRST NUMBER : "))
num2 = float(input("ENTER YOUR SECOND NUMBER : "))
op = input("ENTER THE OPERATION THAT YOU WANT : ")
if op == '+' :
    res = num1+num2
    print("sum : ",res)
elif op == '-' :
    res = num1-num2
    print("sum : ",res)
elif op == '*' :
    res = num1*num2
    print("sum : ",res)
elif op == '/' :
    res = num1/num2
    print("sum : ",res)
```