



# PYTHON ASSINGHMENT

Faculty – PRIYA AGRAWAL MAM

Harsh Ponia

Sec -2 Rollno. 16

## Q1:-

```
a = int(input("Enter the leanth\n"))
b = int(input("Enter the width"))
if(a==b):
    print("YES it is square\n")
else:
    print("No It is not square")
```

## Q2:-

```
a=int(input("Enter first number"))
b=int(input("Enter second nnumber"))
if(a>b):
    print("greater = ",a)
else:
    print("greater= ",b)
```

## Q3:-

```
qty = int(input("Enter quantity\n"))
if(qty>1000):
    dis = qty*10/100
    total = qty-dis
    print("total cost= \n", total)
else:
    printf("No discount\n")
```

## Q4:-

```
salary = float(input("Enter salary\n"))
year = int(input("Enter the year of work\n"))
if(year>5):
    b = salary*5/100
    print("Your bonus = ", b)
else:
    print("Sorry!\n Your year of work is less than 5 years")
```

## Q5:-

```
m = int(input("Enter the marks\n"))
if(m>80):
    print("Grade A")
elif(m>60 and m<=80):
    print("Grade B")
elif(m>50 and m<=60):
```

```
    print("Grade C")
elif(m>45 and m<=50):
    print("Grade D")
elif(m>25 and m<=45):
    print("Grade E")
else:
    print("Grade F")
```

## Q6:-

```
x = int(input("Enter the age of first person\n"))
y = int(input("Enter the age of second person\n"))
z = int(input("Enter the age of third person\n"))
if(x>y and x>z):
    print("x is oldest")
elif(y>z and y>x):
    print("y is oldest")
elif(z>x and z>y):
    print("z is oldest")

if(x<y and x<z):
    print("x is youngest")
elif(y<z and y<x):
    print("y is youngest")
elif(z<x and z<y):
    print("z is youngest")
```

## Q7:-

```
a = int(input("Enter a number\n"))
print("absolute value of number is =", abs(a))
```

## Q8:-

```
ch = int(input("Enter the number of class held"))
ca =int(input("enter the number of class attend"))
per = ca/ch*100
print("Attendance percentage = ", per)
if(per>=75):
    print("YES you are allowed in the exam")
else:
    print("Sorry you are not allowed int the exam")
```

## Q9:-

```
ch = int(input("Enter the number of class held"))
ca =int(input("enter the number of class attend"))
per = ca/ch*100
print("Attendance percentage = ", per)
if(per>=75):
    medical = input("if you have medical cause yes(Y) no(N)")
    if(medical=='N'):
        print("YES you are allowed in the exam")
    else:
        print("Sorry you are not allowed in the exam")
```

## Q10:-

```
a = int(input("Enter the year\n"))
if(a%4==0):
    print("It is leap year\n")
else:
    print("It is not leap year")
```

## Q11:-

```
age = int(input("Enter age\n"))
sex = input("Enter sex m of f\n")
ms = input("Enter the marital satus yes(Y) or no(N)")
if(sex == 'f'):
    print("she will work only urban areas.\n")
elif(sex == 'm' and age>20 and age<40):
    print("He may work anywhere\n")
elif(sex=='m' and age>40 and age<60):
    print("He will work in urban areas only\n")
```

## Q12:-

```
a=int(input("Enter a number"))
rev=0
while(a>0):
    rem = a%10
    rev = (rev*10)+rem
    a = a//10

print("Reverse number is = ",rev)
```