**Intermediate value Theorem**

print("intermediate value theorem")

def f(x):

return(x\*\*3-9\*x\*\*2+1)

a=float(input("enter the value of interval a= "))

b=float(input("enter the value of interval b="))

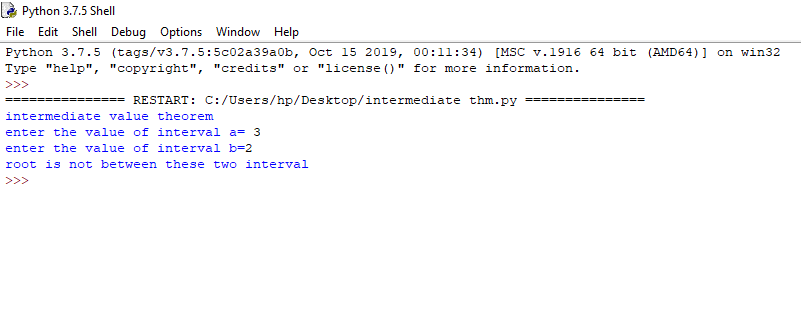
if(f(a)\*f(b)<0):

print("root is present interval")

else:

print("root is not between these two interval")

**OUTPUT:**

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