

Department of Computer Science and Engineering

**Course Code :** CSE-452

**Course Title :** Neural Network & Fuzzy Logic Lab.

**Report No :** 03

**Report Name :** Empty, Normal and non-empty nor normal sets.

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**REMARKS**

**Source Code:**

#include<stdio.h>

main()

{

float x,y;

scanf("%f %f",&x,&y);

printf("\nSet A={(X1,%f),(X2,%f)}\n\n",x,y);

if(x==1 || y==1)

{

printf("The set is normal fuzzy set");

}

else if (x==0 && y==0)

{

printf("The set is empty");

}

else

{

printf("The set is neither empty nor normal");

}

}

**Input:**

Enter the elements X & Y:

0.0 0.0

Enter the elements X & Y:

1. 5.8

Enter the elements X & Y:

2.0 3.0

**Output:**

Set A= {(X1, 0.000000), (X2, 0.000000)}

The set is empty

Set A= {(X1, 1.000000), (X2, 5.800000)}

The set is normal

Set A= {(X1, 2.000000), (X2, 3.000000)}

The set is neither empty nor normal