

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 no one Fuzzy sets.

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**NAME : MD JAHID**

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**REMARKS**

**Source Code:**

#include<stdio.h>

main()

{

float a,b,c;

scanf("%f %f %f",&a,&b,&c);

printf("SET A={(x1,%.2f),(x2,%.2f),(x3,%.2f)}\n",a,b,c);

if(a==1 || b==1 ||c ==1)

{

printf("it is normal fuzzy set");

}

else if (a==0 && b==0 && c==0)

{

printf("it is empty set");

}

else

{

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

}

}

**Input:**

Enter the member:

0 0 0

Enter the member:

1 3 9

Enter the member:

9 8 7

**OUTPUT:**

SET A= {(x1, 0.00), (x2, 0.00), (x3, 0.00)}

It is empty set

SET A= {(x1, 1.00), (x2, 3.00), (x3, 9.00)}

It is normal set

SET A= {(x1, 9.00), (x2, 8.00), (x3, 7.00)}

It is neither empty nor normal set