

Practical:

Harshvardhan Singh

1019161

Bloom Filter Algorithm

```
PS C:\Users\admin\Desktop> cd "c:\User
Bloom Filter Test

Enter set capacity and key size
14 14

BloomFilter Operations

1. insert
2. contains
3. check empty
4. clear
5. size
1
Enter integer element to insert
61

Do you want to continue (Type y or n)

y

BloomFilter Operations

1. insert
2. contains
3. check empty
4. clear
5. size
2
Enter integer element to search
53
Search result : false

53
Search result : false

Do you want to continue (Type y or n)

y

BloomFilter Operations

1. insert
2. contains
3. check empty
4. clear
5. size
2
Enter integer element to search
61
Search result : true

Do you want to continue (Type y or n)

y

BloomFilter Operations

1. insert
2. contains
3. check empty
4. clear
5. size
3
Empty status = false

Do you want to continue (Type y or n)

y
```

3

Empty status = false

Do you want to continue (Type y or n)

y

BloomFilter Operations

1. insert
 2. contains
 3. check empty
 4. clear
 5. size
- 5

Size = 1

Do you want to continue (Type y or n)

y

BloomFilter Operations

1. insert
 2. contains
 3. check empty
 4. clear
 5. size
- 4

Bloom set Cleared

Do you want to continue (Type y or n)

3

PS C:\Users\admin\Desktop>