Part 1)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab9]$ ./a.out
file.txt
the most frequent char is e with 8 occurences[rsutradhar1@gsuad.gsu.edu@snowball Lab9]$
```

Part 2)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab9]$ cc addressOfScalar.c
[rsutradhar1@gsuad.gsu.edu@snowball Lab9]$ ./a.out
address of charvar = 0x7ffc8f0dba8f
address of charvar - 1 = 0x7ffc8f0dba8e
address of charvar + 1 = 0x7ffc8f0dba90
address of intvar = 0x7ffc8f0dba88
address of intvar - 1 = 0x7ffc8f0dba84
address of intvar + 1 = 0x7ffc8f0dba8c
```

An int takes up 4 bytes of storage. Because of this, the address is changed by 4 when you add or subtract 1.

Part 3)

```
[rsutradhar1@gsuad.gsu.edu@snowball Lab9]$ ./a.out
numbers = 0x7ffd73c32d30
numbers[0] = 0x7ffd73c32d30
numbers[1] = 0x7ffd73c32d34
numbers[2] = 0x7ffd73c32d38
numbers[3] = 0x7ffd73c32d3c
numbers[4] = 0x7ffd73c32d40
sizeof(numbers) = 20
```

The address of the array and the first element are the same.

sizeof(array)