

## Practical-8.(c)

**Aim:** Write a C++ program to implement I/O operations on characters, I/O operations includes inputting a string, Calculating length of the string, Storing the String in a file, fetching the stored characters from it, etc.

**Algorithm:** (i) Start

(ii) Main function

(iii) Print the result

(iv) Stop

**Theory:** C++ IO is type safe. IO operations are defined for each of the type.

**Program:**

```
#include <iostream>
```

```
#include <fstream>
```

```
#include <string.h>
```

```
int main() {
```

```
    std::cout<<"08_Rabin Nadar"<<std::endl;
```

```
    char string[80];
```

```
    std::cout<<"Enter a string\n";
```

```
    std::cin>>string;
```

```
int len=strlen(string);  
std::fstream file;  
file.open("TEXT",std::ios::in | std::ios::out);  
for(int i=0;i<len;i++)  
file.put(string[i]);  
file.seekg(0);  
char ch;  
while(file)  
{  
    file.get(ch);  
    std::cout<<ch;  
}  
return 0;  
}
```

## Output:

### Output

```
/tmp/oHLdNGabNO.o  
08_Rabin Nadar  
Enter a string  
Rabin  
|
```

## **Conclusion:**

We have successfully written the code and executed it.