Program 10

10. Write a java program that reads a file name from the user, displays information about whether the file exists, whether the file is readable, or writable, the type of file and the length of the file in bytes.

Program code:

```java
import java.io.File;

import java.util.Scanner;

class FileP

{

    public static void main(String args[ ])

    {

            Scanner obj=new Scanner(System.in);

            String fname=obj.next();

            File f1 = new File(fname);

            System.out.println("File Name: " + f1.getName());

            f1.setWritable(false);

            System.out.println(f1.exists() ? "File exists" : "File
            does not exist");

            System.out.println(f1.canWrite() ? "File is writeable" :
            "File is not writeable");

            System.out.println(f1.canRead() ? "File is readable" :
            "File is not readable");

            String fileName = f1.toString();

            int index = fileName.lastIndexOf('.');

        if(index > 0)

        {

            String type = fileName.substring(index + 1);

            System.out.println("File type is " + type);
```

```
        }
    else
        {
         System.out.println("File doesn't have type");
     }
    System.out.println("File size: " + f1.length() + " Bytes");
    }
}
```