

# System Calls



# Assignment 3



**Using dup or dup2 redirect printf() out to a given file instead of printing to STDOUT.**



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## Pre-requisites:-

- Good knowledge on dup and dup2 system calls.
- Command line arguments

## Objective:-

- To understand implementation of basic system call



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## Requirements:-

1. Pass the file name through cmd line.

→ ./dup\_dup2 file1.txt

Valid input

→ ./dup\_dup2 f1.txt f2.txt f3.txt

Invalid input



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## Requirements:-

2. Write a printf() function inside main.

```
int main()
{
    ...
    printf("Print this message into the file");
    ...
    printf("Print this message into STDOUT");
    ...
}
```



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## Sample Output:-

**./dup\_dup2 f1.txt**

Print this message into STDOUT

**f1.txt**

Print this message into the file

