OS LAB – 10

Q1. Execute the Following Program and write the output

$vi ex61.c

#include <stdio.h>

#include<unistd.h>

int main()

{

printf("Transfer to execlp function \n");

execlp(“head”, “head”,”-2”,”f1”,NULL);

printf("This line will not execute \n”);

return 0;

}

**Output:**

**Transfer to excelp function**

**Rohit**

**Sky**

**(note:file f1 contains Rohit and Sky as the first two lines)**

**Why second printf statement is not executing**?

When the OS executing the line “ **execlp(“head”, “head”,”-2”,”f1”,NULL);** ” the control transferred to execlp() function and will not return back to the calling place (unless there is an error) and therefore the second printf line is not executing.

Q2. Rewrite question Q1 with execl() function. Pass the 3rd and 4th argument of the

functionexecl() through command line arguments.

Input: ./a.out -3 f1

**$vi ex62.c**

**#include <stdio.h>**

**#include<unistd.h>**

**int main(intargc, char \*argv[])**

**{**

**printf("Transfer to execute function \n");**

**execl(“/user/bin/head”, “head”,argv[1],argv[2],NULL);**

**printf("This line will not execute \n”);**

**return 0;**

**}**

**Output:**

**Transfer to execute function**

**Rohit**

**Sky**

**Kishan**

(note:file f1 contains Rohit Sky and Kishan as the first two lines)