**OS Hands On**

**Name:** Nikhil Girish

**SRN:** PES2UG21CS334

**Section:** 4F

**Question:** (3) Write a program which accepts two integers x and y. Now use exec to execute another user defined program that prints the product of x and y.

**Hands\_On.c:**

#include <sys/types.h>

#include <stdio.h>

#include <unistd.h>

#include <stdlib.h>

int main()

{

    int x, y;

    printf("Enter values for x and y\n");

    scanf("%d", &x);

    scanf("%d", &y);

    char x\_str[16], y\_str[16];

    sprintf(x\_str, "%d", x);

    sprintf(y\_str, "%d", y);

    char \*args*[]* = {"./product", x\_str, y\_str, NULL};

    execvp(args[0], args);

}

**Product.c:**

#include <stdio.h>

#include <unistd.h>

#include <sys/types.h>

#include <stdlib.h>

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

{

    int x = atoi(argv[1]);

    int y = atoi(argv[2]);

    printf("Product of %d and %d is: %d\n",x,y,(x \* y));

    return 0;

}

**Output:**

