EX.No.2 - <u>Executing python, java and C programs in VM</u>

Simple python program

print("Hello from python!!");

Simple java program

```
public class jsample{
public static void main(String[] args){
System.out.println("Hello from java!!");
}
}
```

C program to count no of words in a file

```
#include<stdio.h>
int main(){
FILE * fp;
char ch;
int count = 0;
char fname[50];
printf("\nEnter the file name: ");
scanf("%s",fname);
fp = fopen(fname,"r");
if(fp==NULL)
{
      printf("\nFile doesn't exist or can't be opened\n");
      return 1;
}
while((ch = fgetc(fp)) != EOF){
      if(ch ==' ' || ch == '\n')
            count++;
}
printf("\nNumber of words present in given file: %d\n", count);
fclose(fp);

return 1;
```

}

Demo.txt

Hi, this is just a demo file to count the no of words in a file

Output:

```
vaishali@vaishali-VirtualBox:~/ex2$ python psample.py
Hello from python!!
vaishali@vaishali-VirtualBox:~/ex2$ java jsample
Hello from java!!
vaishali@vaishali-VirtualBox:~/ex2$ ./a.out

Enter the file name: demo.txt

Number of words present in given file: 16
vaishali@vaishali-VirtualBox:~/ex2$ wc -w demo.txt
16 demo.txt
vaishali@vaishali-VirtualBox:~/ex2$ █
```