**LAB-2**

**Dhanusha Mallavajjala**

1)**Shell Scripting-**

Code-

#!/bin/bash

set -u

low=0

high=2147483647

mid=$(($low+$high))

guess\_number=$((mid/2))

#guess\_number=$(( expr($low+$high)/2 ))

while true;do

./prob1 $guess\_number

if (($?==2)); then

low=$guess\_number

echo $low

elif(($?==1)); then

high=$guess\_number

echo $high

else

echo "Yes,your guess is correct! secret = "$guess\_number

echo "Found "$guess\_number

break

fi

mid=$(($low+$high))

echo '---------------------'

echo $mid

guess\_number=$((mid/2))

echo '======================='

echo $guess\_number

done

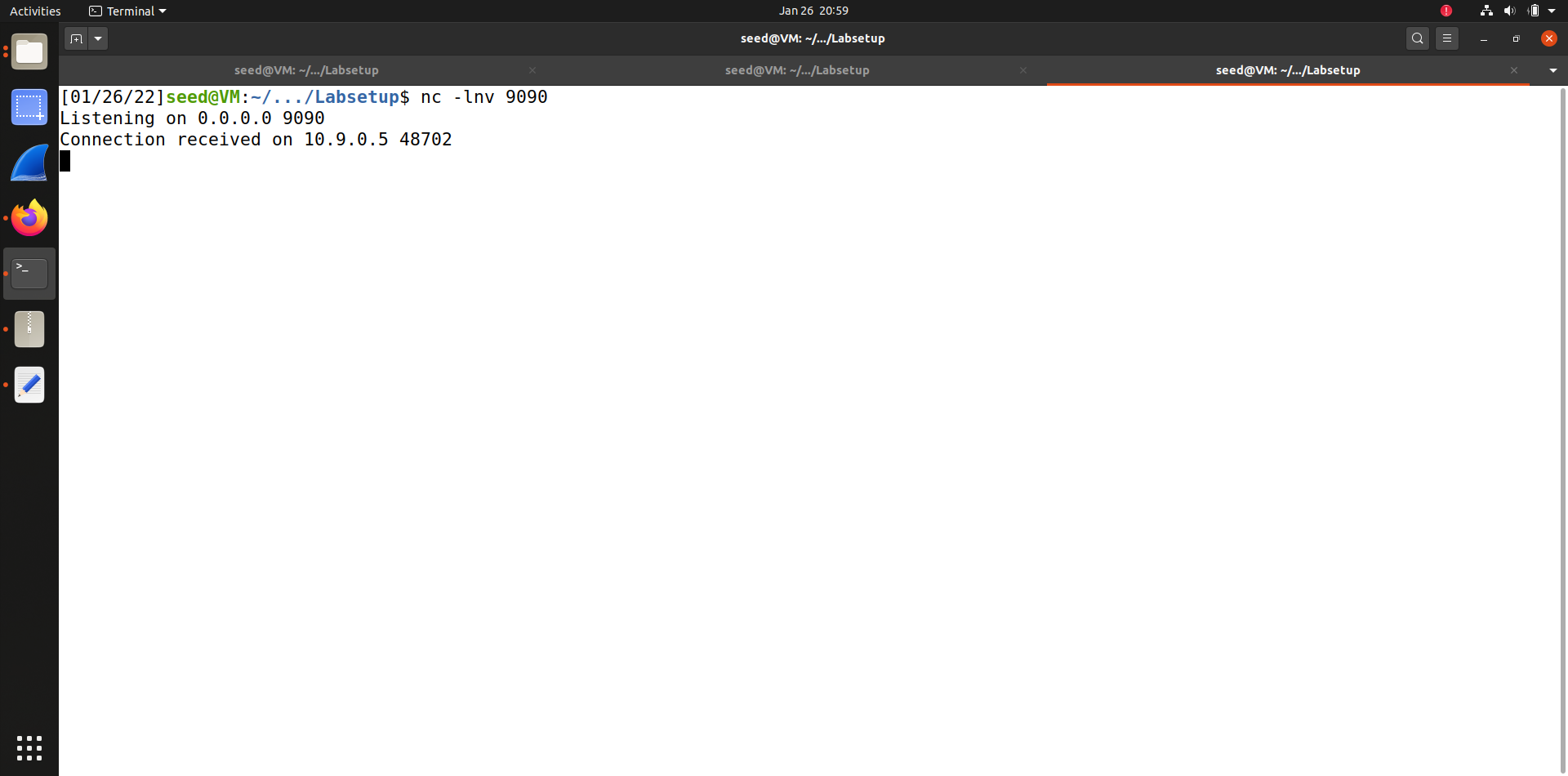
2)**Reverse Shell-**

Step1-

Using Dcbuild, Dockps, docksh



Step 2-



Step3-

