1. write a program that print the numbers from 1 to 100 and for multiples of 3 print "fizz" insted of the number and for the multiple of 5 print "buzz".

#! /usr/bin/bash

i=1

while [ $i -le 100 ]

do

if [[ 0 -eq "($i%3) + ($i%5)" ]]

then

echo "fizzbuzz"

elif [[ 0 -eq "($i%3)" ]]

then

echo "fizz"

elif [[ 0 -eq "($i%5)" ]]

then

echo "buzz"

else

echo "$i"

fi

i=$(( $i + 1 ))

done

2.simulate rock paper and scissor game with user and computer use random for computer simulation

#! /usr/bin/bash

echo "choose Rock, paper, scissor."

read user

choices=(r p s )

computer=${choices[$((RANDOM%3))]}

if [[ $user=r && $computer=s ]]

then

echo "you won"

elif [[ $user=s && $computer=p ]]

then

echo "you won scissor cut paper"

elif [[ $user=p && $computer=r ]]

then

echo "you won paper cover rock"

elif [[ $user=r && $computer=p ]]

then

echo "you lost game"

elif [[ $user=r && $computer=s ]]

then

echo "you lost game"

fi