Write a Programme that takecommand line arguments n and print the harmonic no. is the form

Hn=1/1+1/2+1/3………….1/n

echo “Enter a Number”

read n

i=1

sum=0 while[$i -1e $n]

do

sum=\expr $ sum+

i=\expr $i +1\

done

echo sum n series is

i=1

while [$i – 1e 5]

do

a= \’echo $sum |cut –c $i\’

echo –e’$ a\\ c’

if[ $i – eq1 ]

then

echo –e’$ a\\ c’

fi

i=\expr $i +1\

done

echo

No is Prime or Not

#!/bin/bash

#Assign the first argument from the command line to the variable

Input\_Number=$1

Num\_Factors=`factor $Input\_Number|wc -w`

echo $Num\_Factors

if [ $Num\_Factors -eq 2 ]

then

echo "$Input\_Number is a prime number"

else

echo "$Input\_Number is not a prime number"

fi

> bash prime.sh 7

7 is a prime number

> bash prime.sh 10

10 is not a prime number

Find the Magic Number

a. Ask the user to think of a number n between 1 to 100

b. Then check with the user if the number is less then n/2 or greater

c. Repeat till the Magic Number is reached.

+ read -p 'Enter a number : ' num

Enter a number : 199

+ number=199

+ sum=0

+ '[' 199 -gt 0

+ 0 -gt 9 ']'

+ '[' 0=1 ']'

+ echo 'is a Magic Number'

199 is a Magic Number