

ASANSOL ENGINEERING COLLEGE

Practical examination 2020-2021

Sub Code: PCC 592

Sub Name: Operating System

Full Marks: 40 Time: 11:10 AM - 12:30 PM Date: 20-03-2021

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1 Write a shell script to check a number is prime or not

Code:

```
#!/bin/sh
echo "enter a number"
read number
i=2
f=0
while test $i -le `expr $number / 2`
do
if test `expr $number % $i` -eq 0
then
f=1
i=`expr $i + 1`
done
if test $f -eq 1
then
echo "Not prime"
else
echo "Prime"
fi
```

Output:

```
~/Desktop/Code/OS-Lab > ./prime.sh
enter a number
31
Prime
```

```
~/Desktop/Code/OS-Lab > ./prime.sh
enter a number
56
Not Prime.
```