SAHIL BISWAS

16010422013

IT A-1

OS EXPT 5

exam@ubuntu:~$ cal  
   September 2024      
Su Mo Tu We Th Fr Sa    
 1  2  3  4  5  6  7    
 8  9 10 11 12 13 14    
15 16 17 18 19 20 21    
22 23 24 25 26 27 28    
29 30                  
                       
exam@ubuntu:~$ date  
Mon 09 Sep 2024 04:54:05 AM EDT  
exam@ubuntu:~$ echo "hello user"  
hello user  
exam@ubuntu:~$ gedit sahil.bash  
exam@ubuntu:~$ echo $shell  
  
exam@ubuntu:~$ echo $SHELL  
/bin/bash  
exam@ubuntu:~$ gedit sahil.bash  
exam@ubuntu:~$ ls -l sahil.bsh  
ls: cannot access 'sahil.bsh': No such file or directory  
exam@ubuntu:~$ ls -l sahil.bash  
-rw-rw-r-- 1 exam exam 27 Sep  9 04:57 sahil.bash  
exam@ubuntu:~$ bash sahil.bash  
   September 2024      
Su Mo Tu We Th Fr Sa    
 1  2  3  4  5  6  7    
 8  9 10 11 12 13 14    
15 16 17 18 19 20 21    
22 23 24 25 26 27 28    
29 30                  
                       
Mon 09 Sep 2024 04:58:52 AM EDT  
hello user  
exam@ubuntu:~$ ./sahil.bash  
bash: ./sahil.bash: Permission denied  
exam@ubuntu:~$ chmod +x sahil.bash  
exam@ubuntu:~$ ls -l sahil.bash  
-rwxrwxr-x 1 exam exam 27 Sep  9 04:57 sahil.bash  
exam@ubuntu:~$ ./sahil.bash  
   September 2024      
Su Mo Tu We Th Fr Sa    
 1  2  3  4  5  6  7    
 8  9 10 11 12 13 14    
15 16 17 18 19 20 21    
22 23 24 25 26 27 28    
29 30                  
                       
Mon 09 Sep 2024 05:01:04 AM EDT  
hello user  
exam@ubuntu:~$  
  
exam@ubuntu:~$ echo $OSTYPE

linux-gnu

exam@ubuntu:~$ echo $LINES  
24

exam@ubuntu:~$ echo $COLUMNS  
80

exam@ubuntu:~$ gedit sahil.bash  
exam@ubuntu:~$ bash sahil.bash  
hello  
user

exam@ubuntu:~$ gedit sahil.bash  
exam@ubuntu:~$ bash sahil.bash  
hellouser  
exam@ubuntu:~$ gedit sahil.bash  
exam@ubuntu:~$ bash sahil.bash  
hello user /n

exam@ubuntu:~$ gedit sahil.bash  
exam@ubuntu:~$ bash sahil.bash  
hello user

activities:

Q1.

a=10  
echo "$a"

Q2.

exam@ubuntu:~$ gedit sahil.bash

value=Rani  
echo "$value"

exam@ubuntu:~$ bash sahil.bash  
Rani

Q3,

exam@ubuntu:~$ gedit sahil.bash

echo "enter any name: "  
read name  
echo "the value entered by user is $name"

exam@ubuntu:~$ bash sahil.bash

sahil

exam@ubuntu:~$ echo $OSTYPE  
linux-gnu

exam@ubuntu:~$ echo $SHELL  
/bin/bash

exam@ubuntu:~$ gedit sahil.bash

name="sahil biswas"  
echo "$SHELL"

/bin/bash/  
echo "$OSTYPE"

date  
date +%m

09

exam@ubuntu:~$ bash sahil.bash  
/bin/bash  
linux-gnu  
Mon 09 Sep 2024 05:42:19 AM EDT  
09

Q4

exam@ubuntu:~$ gedit sahil.bash

exam@ubuntu:~$ ./sahil.bash

Sahil

013

78

Ayaan

012

74

Vedant

009

43

Q5.

exam@ubuntu:~$ gedit sahil.bash

a=10  
b=20  
c=$(($a+$b))  
echo "$c"

exam@ubuntu:~$ bash sahil.bash  
30

Q6.

exam@ubuntu:~$ gedit sahil.bash

echo "enter any value: "  
read value  
echo "the value entered by user is $value"

exam@ubuntu:~$ bash sahil.bash  
enter any value:  
29  
the value entered by user is 29

if [ -z "$1" ]; then

echo "Usage: $0 <seconds>"

exit 1

fi

total\_seconds=$1

hours=$((total\_seconds / 3600))

minutes=$(( (total\_seconds % 3600) / 60 ))

seconds=$((total\_seconds % 60))

echo "$total\_seconds seconds is equal to $hours hour(s), $minutes minute(s), and $seconds second(s)."

exam@ubuntu:~$ bash sahil.bash

exam@ubuntu:~$ 3661 seconds is equal to 1 hour(s), 1 minute(s), and 1 second(s).