Name: ________________________ Class: ___________________ Date: __________ ID: A

Linux Bash Scripting (Pt. 3)

Essay

1. Write a shell script to get current date, time, user name and current working directory. The outputs should have the following:
   1. Executable permissions for everyone to run it.
   2. Can be used for any shell.

2. Write a Shell Script that adds two numbers if provided as the command Line Argument and if the two numbers are not entered it outputs an Error Message along with a one-Line of how-to use description.

3. You needs to print a given Number say 10572, in reverse order using a Shell script such that the input is provided using command Line Argument only. If the input data is not provided as Command Line Argument, it should throw and error and should suggest, how to use the script. Write the script but before that tell me the algorithm that needs to be implemented here.

Linux Bash Scripting (Pt. 3)
Answer Section

ESSAY

1. ANS:

```
#!/bin/sh

echo "Hello, $LOGNAME"
echo "Current date is `date`"
echo "User is `who i am`"
echo "Current directory `pwd`"
```

Execute permissions

```
chmod 755 userstats.sh
./userstats.sh
```

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2. ANS:

```
#!/bin/bash
# The Shebang

if [ $# -ne 2 ]
# If two Inputs are not received from Standard Input

then
# then execute the below statements

        echo "Usage - $0   x    y"
        # print on standard output, how-to use the script (Usage - ./1.sh   x    y )

        echo "        Where x and y are two nos for which I will print sum"
        # print on standard output, “Where x and y are two nos for which I will print sum ”
        exit 1
        # Leave shell in Error Stage and before the task was successfully carried out.


fi
# End of the if Statement.

        echo "Sum of $1 and $2 is `expr $1 + $2`"
        # If the above condition was false and user Entered two numbers as a command Line Argument, it will
        show the sum of the entered numbers.
```

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3. ANS:

```
#!/bin/bash

if [ $# -ne 1 ]
then
        echo "Usage: $0   number"
        echo "       I will find reverse of given number"
        echo "       For eg. $0 0123, I will print 3210"
        exit 1
fi

n=$1
rev=0
sd=0

while [ $n -gt 0 ]
do
        sd=`expr $n % 10`
        rev=`expr $rev \* 10  + $sd`
        n=`expr $n / 10`
done

        echo  "Reverse number is $rev"
```

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