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Program: BS-Data Science

Operating System – Lab 14

Task 1: Create a bash function that will take directory name as input from user and will create a new directory. If directory already exists, it will prompt user to enter different name

Code:

```
maimoona@DESKTOP-3E3NBI6 x + v
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/lab11$ vi conditions.sh
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/lab11$ cat conditions.sh
#!/bin/bash
#Lab 14 Task 1
read -p "Enter different name for directory: " Directory

while [ -d $Directory ];
do
    echo "$Directory exist"

    read -p "Enter different name for directory: " Directory
done

if [ ! -d $Directory ];
then
    echo "$Directory created"
    mkdir $Directory
fi
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/lab11$
```

Output:

```
maimoona@DESKTOP-3E3NBI6 x + v
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/lab11$ ls
conditions.sh csv.sh for_loop.sh hello_h loop.sh task1.sh while_loop.sh
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/lab11$ ./conditions.sh
Enter different name for directory: hello
hello exist
Enter different name for directory: New_Hello
New_Hello created
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/lab11$ ls
New_Hello conditions.sh csv.sh for_loop.sh hello_h loop.sh task1.sh while_loop.sh
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/lab11$
maimoona@DESKTOP-3E3NBI6:/mnt/c/Users/Maimoona Khilji/lab11$
```