Linux Lab Practice Sheet – Shell Scripting (20 Questions)

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1. Complete the script to check if a number is even or odd.

```
echo "Enter a number:"
read n
if [ $((n % 2)) -eq 0 ]; then
    echo "Even number"
else
    echo "Odd number"
fi
```
⑤

2. Complete the loop to print numbers from 1 to 10.

```
#!/bin/bash
for i in ____
do
    echo $i
done
```
⓪

3. Fill the missing condition to check if a file exists.

```
echo "Enter filename:"
read f
if [ ___ $f ]; then
    echo "File exists"
else
    echo "File not found"
fi
```
⑤

4. Complete this script to compare two numbers.

```
echo "Enter two numbers:"
read a b
if [ $a -gt $b ]; then
    echo "$a is greater"
else
    echo "$b is greater"
fi
```

5. Fill in the command to print your current directory.

```
echo "You are in directory:"
____
```
$ pwd
⑤

6. Debug the following code to fix numeric comparison.

```
a=10
b=5
if [ $a > $b ]; then
    echo "a is greater"
fi
```

7. Identify and fix the read error.

```
echo "Enter your name:"
readname
echo "Hello $name"
```
read `"enter your name"`
⑤

8. Correct the while loop increment.

```
i=1
while [ $i -le 5 ]
do
    echo $i
    i=$i+1
done
```
echo $sum
⓪

9. Fix this arithmetic expression.

```
x=5
y=2
z= x + y
echo $z
```
echo $((z))
⓪

10. Correct the case statement syntax.

```
echo "Enter choice:"
read ch
case $ch in
1) echo "One"
2) echo "Two"
esac
```

11. Write a script to print numbers from 1 to 20 using a while loop.

12. Write a script that prints a multiplication table for a given number (1-10).

13. Write a script to find the factorial of a number using a for loop.

14. Write a script to find the sum of first 10 natural numbers.