Assignment-9

21. Even or Odd check:

read n; if ((n%2==0)); then echo Even; else echo Odd; fi

22. 'if' tests conditions; 'case' matches patterns.

23. Largest of three numbers:

read a b c; if ((a>b && a>c)); then echo $a; elif ((b>c)); then echo $b; else echo $c; fi

24. Traverse array:

arr=(123 "Abs" -2.3 'A' 23.56 0)

for i in "${arr[@]}"; do echo $i; done

25. List files:

for f in *; do echo $f; done

26. 'while' runs while condition true; 'until' runs until condition true.

27. Countdown timer:

read n; while ((n>0)); do echo $n; sleep 1; ((n--)); done

28. 'break' exits loop; 'continue' skips to next iteration.

29. File exists check:

read f; if [-f "$f"]; then echo Exists; else echo Not found; fi

30. Factorial:

read n; fact=1; for ((i=1;i<=n;i++)); do fact=$((fact*i)); done; echo $fact

Linux Assignment - Assignment-9

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