

TASK ON CONDITIONS and SWITCH case

Conditions (If / Else / Else If) — 15 Questions

1. Check if a year is a leap year
2. Check if a character is a vowel or consonant
3. Check if a number is divisible by 3 and 5
4. Check if a number is prime or not
5. Check if a person is eligible to vote (18+ years)
6. Check if a number has 3 digits
7. Check if a string is empty or not
8. Compare two strings for equality
9. Check if a number is a multiple of another number
10. Find the smallest of three numbers
11. Check if a character is uppercase or lowercase
12. Determine whether a number is in range 10–100
13. Check if a student has passed (score ≥ 50)
14. Check if two numbers are equal, greater or lesser
15. Given time (hour), print Good Morning/Afternoon/Evening/Night
 - o 5-11: Morning, 12-16: Afternoon, 17-20: Evening, 21-4: Night

Switch Statements — 15 Questions

1. Menu selection (1. Add, 2. Subtract, 3. Multiply, 4. Divide)
2. Print month name from number (1 to 12)
3. Check day type: Weekday or Weekend based on number (1–7)
4. Convert grade to GPA (A=4.0, B=3.0, C=2.0, D=1.0, F=0.0)
5. Banking operations: 1=Withdraw, 2=Deposit, 3=Balance Check
6. Currency converter: Choose from USD, EUR, GBP, etc.
7. Weather messages: sunny, rainy, cloudy, snowy
8. Music Player: 1=Play, 2=Pause, 3=Stop, 4=Next, 5=Previous
9. Check season based on month number
10. Print animal sound: dog=bark, cat=meow, cow=moo, etc.
11. User role-based access: Admin, User, Guest
12. Vehicle type input (car, bike, bus, truck) → print fare range
13. Print zodiac sign based on number input (1–12)
14. Print shape area formula based on shape name
15. Print a motivational quote based on a number (1–5)