Oranium Tech

1. Write a program that determines whether a given number is positive, negative, or zero.

2. Write a program that takes the temperature as input and tells the user whether to wear a jacket, t-shirt, or sweater based on the temperature.

3. Write a program that determines the grade of a student based on their percentage score, using the following criteria:
   - Above 90% = A
   - 80% to 89% = B
   - 70% to 79% = C
   - 60% to 69% = D
   - Below 60% = F

4. Write a program that prompts the user to enter a month number and then displays the corresponding month name.

5. Write a program that asks the user to enter a day of the week (1-7), and then displays whether it is a weekday or a weekend.

6. Write a program that asks the user to enter their age. Based on their age, display the appropriate message:
   - If the age is less than 18, display "You are a minor".
   - If the age is between 18 and 65 (inclusive), display "You are an adult".
   - If the age is greater than 65, display "You are a senior citizen".

7. Write a program that takes the user's total purchase amount and determines the discount they are eligible for:
   - If the purchase amount is less than $50, no discount is applied.
   - If the purchase amount is between $50 and $100 (inclusive), apply a 10% discount.
   - If the purchase amount is greater than $100, apply a 20% discount.

8. Write a program that asks the user to enter a number and determines whether it is even or odd using a switch statement. Print "Even" if the number is even and "Odd" if the number is odd.

9. Write a program that asks the user to enter the day of the week (1-7) and displays the corresponding name of the day using a switch statement.

10. Write a program that prompts the user to enter a grade (A, B, C, D, or F) and displays the corresponding message:
   - If the grade is A, display "Excellent!"
   - If the grade is B, display "Good job!"
   - If the grade is C, display "Keep up the effort!"
   - If the grade is D or F, display "Better luck next time!"