**Python If Else Practice Questions**

1. **Discounts and Pricing**
2. **Check Discount Eligibility**  
   Write a program to check if a customer is eligible for a discount. If the total purchase is more than $100, apply a 10% discount and display the final price. Otherwise, display the total price as it is.
3. **Calculate Bulk Discount**  
   If a customer buys more than 5 items, apply a 15% discount on the total price. Otherwise, no discount is applied. Display the total price.
4. **Membership Discount**  
   Check if the customer is a member (is\_member = True). Members get a 20% discount; non-members get a 5% discount. Calculate and print the discounted price.
5. **Seasonal Sale**  
   If today is a holiday (is\_holiday = True), apply a 25% discount; otherwise, apply a 10% discount. Calculate the price after discount.
6. **Buy-One-Get-One-Free**  
   If a customer buys an even number of items, they get half of them for free. Otherwise, they pay for all. Calculate the number of items the customer has to pay for.
7. **Tax Calculations**
8. **Sales Tax**  
   If the price of an item is greater than $500, apply a luxury tax of 15%. Otherwise, apply a standard tax of 8%. Display the total price after tax.
9. **Income Tax**  
   If a person's annual income is above $50,000, they pay 20% tax. Otherwise, they pay 10%. Calculate and display the tax amount.
10. **Tax Bracket**  
    Write a program to categorize a person into tax brackets:
    * Income < $30,000: "Low Tax"
    * $30,000 ≤ Income < $100,000: "Medium Tax"
    * Income ≥ $100,000: "High Tax"
11. **VAT Calculation**  
    If the item is marked as essential (is\_essential = True), apply a VAT of 5%. Otherwise, apply a VAT of 12%. Display the final price.
12. **Tax-Free Day**  
    If today is a tax-free day (tax\_free = True), display the original price. Otherwise, add a 7% tax.
13. **Shopping and Billing**
14. **Free Shipping**  
    If the total purchase amount is more than $50, offer free shipping; otherwise, charge $5 for shipping. Display the total amount including shipping.
15. **Discount Code**  
    If a customer enters the correct discount code (DISCOUNT10), apply a 10% discount. Otherwise, charge the full amount.
16. **Tiered Discounts**  
    Apply discounts based on the total price:
    * $0–$50: No discount.
    * $50–$100: 10% discount.
    * Over $100: 20% discount.
17. **Minimum Purchase Requirement**  
    If the total amount is less than $20, display a message: "Minimum purchase of $20 is required." Otherwise, display the total amount.
18. **Loyalty Points**  
    If a customer is a loyal member (is\_loyal = True), they earn double loyalty points for their purchase. Otherwise, they earn standard points.
19. **Travel and Tickets**
20. **Travel Discount**  
    If a person is traveling more than 500 miles, offer a 20% discount on ticket price. Otherwise, charge the full amount.
21. **Child or Senior Discount**  
    If a passenger is under 12 or over 60 years old, apply a 15% discount on the ticket price. Otherwise, charge the full price.
22. **Ticket Type Pricing**  
    If the ticket is for a weekend (is\_weekend = True), add a 10% surcharge. Otherwise, charge the standard price.
23. **Baggage Fee**  
    If the total baggage weight is over 20kg, charge $10 per extra kilogram. Otherwise, no extra fee.
24. **Early Bird Discount**  
    If a ticket is booked more than 30 days in advance, apply a 10% discount. Otherwise, charge the full price.
25. **Grades and Performance**
26. **Pass or Fail**  
    If a student scores 40 or more, print "Pass". Otherwise, print "Fail".
27. **Grade Assignment**  
    Based on a student's score, assign grades:
    * 90 and above: "A"
    * 75–89: "B"
    * 50–74: "C"
    * Below 50: "F"
28. **Bonus Marks**  
    If a student completes all assignments, add 5 bonus marks to their score. Otherwise, no bonus marks.
29. **Attendance Eligibility**  
    If a student's attendance is 75% or more, they are eligible to take the exam. Otherwise, they are not.
30. **Scholarship Eligibility**  
    If a student's grade is "A" and their annual family income is below $30,000, they are eligible for a scholarship. Otherwise, they are not.