Lab 6

Conditional Statements in C

Marks: 6

Question 01:

Generate the following output:

```
           SHOP OVER RS.3000 AND ENJOY 10% DISCOUNT

Enter the total number of items purchased by customer: 5
Number of T-shirts purchased: 2
Number of Formal Shirts purchased: 2
Number of Wrist watches purchased: 1
Total amount: Rs.3500
Customer provided: Rs.3500
 Congratulations! You have purchased items of over Rs.3000,
Enjoy the 10% discount on total.


Amount returned to customer: Rs.350
```

For help: Unit price of T-shirt is Rs.500, Formal Shirt is Rs.1000 and Wrist Watch is Rs.500

Question 02:

Based on user input, check whether the given character is an alphabet, digit or special character.

Question 03:

Write a program to determine fare. Rs 20 for a child, who is not more than 11 years old, for adult Rs 50 and Rs 30 for an aged person of at least 65 years' old.

Question 04:

Fix the errors:

        a.   void main() { int x=40;y=30;z=80; if(x<y<z)
                printf("\n Hello world"); else
                printf("\nGood by");
        b.   void main () {
                double a;
                int x;
                if(a>=0&& x= 1)
                printf("OK all right");

        else if(a!=0|| x >==3)
        printf("wrong answer")

Question 05:

Input two numbers and determine whether the numbers are equal or not, if numbers are not equal
then determine which one is greater and which one is less.

```
Enter first number: 32
Enter second number: 54
Given numbers are not equal
Second number is greater than first
```

Question 06:

A company pays to its employees based on its employee designation as:
   a) Managers: who receive a fixed salary. (147,600 PKR)
   b) Hourly workers: who receive a fixed hourly wage (150 PKR) for up to the first 8 hours
      they work in a day and 1.5 times their hourly wage for overtime hours.
   c) Commission workers, who receive 30000 PKR plus 25% of their monthly sales; Write a
      program that prompt the user to enter the appropriate facts the program needs to calculate
      employee's pay based on that employee's designation.

```
                    Pay Calculator
Designations:
1- Manager
2- Hourly workers
3- Commission workers
Enter your designation: 2
Working Days: 28
Overtime (in hours): 20
Your Gross Pay is:   38100 PKR
```