1) Write a program that reads two numbers A and B , and prints the remainder when A is divided by B .

2) Write a program that reads a number N and checks if the number N is divisible by 7. Print Divisible by Seven if N is divisible by 7. Otherwise, print Not Divisible by Seven.

3) Write a program that reads two numbers A and B and prints the Quotient and Remainder when A is divided by B .

4) Write a program that reads a number N and checks if N is divisible by 2.

5) Write a program that reads a number N and checks if N is divisible by 2. Print Even if N is divisible by 2. Otherwise, print Odd.

6) Write a program that reads a number N and finds the, Remainder when N is divided by 4. Remainder when N is divided by 5. Print the greatest remainder among the two remainders when N is divided by 4 and 5.

7) Write a program that reads a number N and checks if the remainder is 0 or 1 when N is divided by 11.

   Print Special Eleven if the remainder is 0 or 1 when N is divided by 11.

   Otherwise, print Normal Number

8) Write a program that reads a two-digit number N and checks if any of the given conditions is satisfied.

   The sum of digits of N is equal to 7.

   One of the digits of N is equal to 7.

   N is divisible by 7.

   Print Special Number if any of the given conditions is satisfied. Otherwise, print Normal Number.

9) Write a program that reads two numbers A and B and finds the,

Result of A power B (A^B)

Result of B power A (B^A)

Print the greatest among the results of A power B (A^B) and B power A (B^A).

10) Write a program that reads a number X and checks,

If X is greater than 30.

If X is greater than 30, check if X is also greater than 50.

Print <u>X is greater than 30</u> if X is greater than 30.

Print <u>X is greater than 30</u> and <u>X is greater than 50</u> on each line if X is greater than 50

11) Write a program that reads the rank R of a student and checks,

If R is less than or equal to 3.

If R is not less than or equal to 3, check if R is less than or equal to 10.

Print <u>One of Top 3</u> if the R is less than or equal to 3.

Print <u>Not Top 3 but One of Top 10</u> if R is less than or equal to 10 but not less than or equal to 3.

12) Write a program that reads the weight W of a box in kg and checks,

If W is greater than or equal to 100.

If W is not greater than or equal to 100, check if W is greater than or equal to 30.

Print <u>Box is Heavier</u> if W is greater than or equal to 100.

Print <u>Box is Heavy</u> if W is not greater than or equal to 100 but greater than or equal to 30.

13) Write a program that reads two strings H and I and checks,

If H is equal to "Y".

If H is not equal to "Y", check if I is equal to "Y".

Print <u>Allowed to Exam Has Hall ticket</u> if H is equal to "Y".

Print <u>Allowed to Exam Has Identification Card</u> if H is not equal to "Y" and I is equal to "Y".

14) Write a program that reads a number N and checks if N is divisible by 5 and 10.

Print <u>Divisible by 10</u> if N is divisible by 10.

Print <u>Divisible by 5</u> if N is divisible by 5 but not divisible by 10.

Print <u>Not Divisible by 10 or 5</u> if N is not divisible by 10 and N is not divisible by 5

15) Write a program that reads the marks M of a student and checks,

If M is greater than or equal to 90.

If M is greater than or equal to 50 but not greater than or equal to 90

Print <u>Discount is 200</u> if M is greater than or equal to 90.

Print <u>Discount is 100</u> if M is greater than or equal to 50 but not greater than or equal to 90.

Print <u>No Discount</u> if M is not greater than or equal to 50.

16) Write a program that reads the two scores A and B and compares A with the B .

Print Win if A is greater than B .

Print Draw if A is equal to B .

Print Lose if A is less than B .