**Assignment day1**

1. Find the maximum of three numbers which are read at runtime
2. Write a program to check whether the input alphabet is a vowel or not.
3. Develop a program, that accepts a deposit amount and calculates amount of interest the deposit amount earns in an year. The bank pays a flat 4% interest for deposits of up to Rs.1000, a flat 4.5% per year for deposits of up to Rs.5000, and a flat 5% for deposits of more than Rs.5000 USING IF –ELSE CHAIN
4. Develop the program, which accepts the gross pay and produces the amount of tax owed. For a gross pay of $240 or less, the tax is 0%; for over $240 and less than   
   $480, the tax rate is 15%; and for any pay over $480, the tax rate is 28%.
5. Find the number is prime or not.
6. Method will accept range value and print all prime numbers from 2 to range on console.
7. An old-style movie theater has a simple profit program. Each customer pays $5 per ticket. Every performance costs the theater $20, plus $.50 per attendee. Develop the program that accepts the number of attendees (of a show) and calculates how much income the show earns.
8. Electricity board wants to develop program to calculate Electricity Bill. The charges for domestic bill are as follows if consumed units are less or equals 100 then Rs.4/units or Rs. 250 whichever is greater  
   if consumed units are between 100 to 300 then Rs.4.50/units  
   if more than 300 and less than 500 Rs.4.75/units and above 500 Rs.5/units

calculate electricity bill.