**Decision Making and Control Statements**

1. Practice all the class examples. (See lecture notes)
2. Write down a program that can take three numbers as input and find outwhich number is the biggest.
3. Write down a program that will take number and check whether it is **negative, positive or neutral**.
4. Write down a program that can take a year as input and find out it is **leapyear or not**. (Study about the leap year first).
5. C Program to Check Vowel or Consonant.
6. Write a program to create a simple calculator that will perform **addition,subtraction, multiplication and division depending upon user’s choice.**
7. Write a program that will take a number from user and convert it into either **feet to meter or meter to feet depending upon user choice**.
8. Write down a program that can **take marks (out of 100) and then show the grade as output.**

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| --- | --- |
| Sample Input (Marks) | Sample Output (Grade) |
| 80-100 | A+ |
| 75-79 | A |
| …. | … |
| 0-39 | F |
| Otherwise | Invalid Marks |

1. C Program to input a character and check that it’s a small letter, capital letter, a digit or a specialsymbol.
2. Write a program that will take a digit (1-10) from user and spell it into word using **switchcase.**
3. Write a program that will perform the following task: **If I press character a fromkeyboard then it will display ‘apple’, for b it will display ‘bat’, for c it will display‘cat’, for d it will display ‘dog’ otherwise it will display wrong input.**
4. **Write a program that will scan two numbers from user and then ask for an operator (+, -, \* / ) and perform the operation according to the operator.**

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| --- | --- |
| Input: Enter two numbers: 15 10  Enter an operator: \* | Output: 150 |