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HomeWork_214.1

#Write a program to check whether a number is divisible by 5 and 11 or not.

Example
Input
Input number: 55
Output
Number is divisible by 5 and 11

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HomeWork_214.2

#Write a program to check whether a year is leap year or not.

```
if (year%400 ==0){
// leap year
}
elase if (year%4==0 && year%100!=0){
// leap year
}else {
//
}
```

Example

Input

Input year: 2004

Output

2004 is leap year.

Step by step descriptive logic to check leap year.

- Input year from user. Store it in some variable say *year*.
- If *year* is exactly divisible by 4 and not divisible by 100, then it is leap year. Or if *year* is exactly divisible by 400 then it is leap year.

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HomeWork_214.3

#Write a program to input week number and output the week day.

Example
Input
Input week number: 1
Output
Sunday

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HomeWork_214.4

#Write a program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:

Percentage >= 90% : Grade A
Percentage >= 80% : Grade B
Percentage >= 70% : Grade C
Percentage >= 60% : Grade D
Percentage >= 40% : Grade E
Percentage < 40% : Grade F

Example
Input
Input marks of five subjects:
95, 95, 97, 98, 90
Output
Percentage = 95.00
Grade A

In primary mathematics classes you have learned about percentage. Just to give a quick recap, below is the formula to calculate percentage:
percetage = (phy + chem + bio + math + comp) / 5.0;

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HomeWork_214.5

#Write a program to input electricity unit charges and calculate total electricity bill according to the given condition:

For first 50 units BDT 0.50/unit
For next 100 units BDT 0.75/unit
For next 100 units BDT 1.20/unit
For unit above 250 BDT 1.50/unit
An additional surcharge of 20% is added to the bill.

Example Input:
Enter total units consumed: 150
Output:
Electricity Bill = BDT 120.00