1/10/24 Calendar

Month name	Simple code	Leap year code
Jan	1	0
Feb	4	3
mar	4	4
Apr	0	0
may	2	2
June	5	5
July	0	0
August	3	3
September	6	6
october	1	1
Nov	4	4
Dec	6	6

Sunday = 1
Monday = 2
Tue = 3
Wed = 4
Thurs = 5
Fri = 6
Sat = 0

Format to Solve

Date → divide by 7 → Remainder

month → month code

year last two digit → divide by 7 → Remainder
year last two digit → divide by 4 → Quotient

Remainder + month code + Remainder + Quotient = Sum

Sum / 7 ⇒ Remainder (04) day code match with the list that will be day.

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① 15 August 1947
$\frac{15}{7}$ → 1; 19 → by 7; 47 → by 4

1 + 3 + 5 + 11

= $\frac{20}{7}$ → Remainder → 6 → Friday

(*) How to check wether leap year or not.

For Non century year → divide by 4

For century year → divide by 400

~~If year changes~~

If year series is

2000+ → Rem -1
1900+ → Rem +0
1800+ → Rem +2
1700+ → Rem +4
1600+ → Rem -1
1500+ → Rem +0
1400+ → Rem +2
1300+ → Rem +4

This cycle will repeat again and again

It means whole process will remain same.
we will add or subtract at the end in remainder

(2) 18 Sep 2015

$\frac{18}{7}$ → 4, Sep → 6, 15 → 7 → 1, 15 → 4 → 3

4 + 6 + 1 + 3 = $\frac{14}{7}$ = 0

This series is 2000+ so 1 will be subtract

0 → Saturday
0-1 → Friday → Ans

(3) 24 June 1857

$\frac{24}{7}$ → 3, June → 5, 57 → 7 → 1, 57 → 4 → 14

3 + 5 + 1 + 14 = $\frac{23}{7}$ = 2

This is 1800+ series so 2 will be added in remainder

2+2 = 4 → Wed Ans

(4) 11 June 1723

$\frac{11}{7}$ → 4, June → 5, 23 → 7 → 2, 23 → 4 → 5

4 + 5 + 2 + 5 = $\frac{16}{7}$ = 2

2 + 4 = 6 → Friday
Adding 4 because 1700+ series

Q. If 11 July 1961 is monday then 28 Nov 1931 is?

11 July 1961 → mon

4 + 0 + 5 + 15 = 24 → 3 → Tue

28 NOV 1931

0 + 4 + 3 + 7 = 14 → 0 → Sat

In these kind of questions Actual day is (Tuesday) But question told lie one day back that is (Monday)

(2) Similarly we will also tell lie one day back that is (Sat - 1) → (Friday) Ans.

Q. If 11 July 1961 is monday then 28 Nov 1961 is?

Note → If the year is same ignore the year statement the formula only in date & month. It will save time.

11 July → monday (-3)

4 + 0 = 4 → 4 → wed

28 Nov → Monday (-3)

0 + 4 = 4 → 4 (wed)

Ans → Monday

Q. When will be 1st monday in June 2007?

⇒ To solve this find what is the day of 1 June 2007

1 June 2007

⇒ 1 + 5 + 0 + 1 ⇒ $\frac{7}{7}$ = 0 - 1 = Friday

1 June → Fri
2 June → Sat
3 June → Sunday
4 June → Monday → First monday

If the question be like on which dates of June 2007 monday will fall

then just add (7) in the dates
4, 11, 18, 25 Ans

Q. If 3 days before yesterday is Monday then what will be on 3 days after tomorrow?

Solution → Always remember Y T T
yesterday today tomorrow

3 2 1 Y T T T 1 2 3
↓
Mon

Tue → Ans

Just remember this

Keshav

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Q. How many leap year in 400 years

Ans → 97

Q. How many leap year in 800 years

Ans → 97 × 2 = 194

Q. Which day can not be last day of a century year?

Ans → Tue, Thurs, Saturday

Q. If First day of Non leap year is monday then what is the last day?

Non leap year → 365 days

divide by 7 → remainder → (1)

Total 52 week & 1 extra day

So last day → Monday

For leap year → 366 days

remainder will be → 2

Total 52 week & 2 extra day.

So last day → Tuesday