

H/W Discussion

```
(1) import java.util.Scanner;
class Operator
{ psvm (String arg[])
  { Scanner ob = new Scanner(System.in);
    int a, b;
    SoplN ("Enter 2 no.s");
    a = ob.nextInt();
    b = ob.nextInt();
    a += b;
    SoplN (a);
  }
}
```

(2)

```
import java.util.Scanner;
class Operator
{
    public static void main (String arg[])
    {
        Scanner ob = new Scanner(System.in);
        System.out.println("Enter 2 no.s");
        int a = ob.nextInt();
        int b = ob.nextInt();
        int n;
        n = a;
        a = b;
        b = n;
        System.out.println("Value of a=" + a + " & " + "Value of b=" + b);
    }
}
```

(3)

$$500 \text{ days} \xrightarrow{\div 365} \text{1 year}$$

$$500 \% 365 \longrightarrow 135 \text{ days}$$

$$135 \text{ days} \xrightarrow{\div 30} 4 \text{ months}$$

$$135 \% 30 \longrightarrow 15 \text{ days}$$

$$15 \text{ days} \xrightarrow{\div 7} 2 \text{ weeks}$$

$$15 \% 7 \longrightarrow 1 \text{ day}$$

(4)

```
import java.util.Scanner;  
class Operator  
{  
    psvm (String arg[])  
    {  
        Scanner ob = new Scanner(System.in);  
          
        sopln ("Enter a 7 digit no");  
        int n = ob.nextInt();  
        n = n/100000;  
        n = n%10;  
    }  
}
```

(5)

```
import java.util.Scanner;
class Operator
{
    psvm (String arg[])
    {
        Scanner ob = new Scanner(System.in);
        SoplN ("Enter 4 digit no.");
        int a = ob.nextInt();
        int r = 0;
        while (a != 0) ✓
        {
            int d = a % 10;
            r = r * 10 + d;
            a = a / 10;
        }
        SoplN (r);
    }
}
```

a	r	d
1234	4	4
123	43	3
	432	
	<u>4321</u>	

→ 4321 ✓

Correct

Q int d = ~~59~~; ~~60~~ ~~59~~ (60) ✓
d /= ++d --- d + d++ % 20;
= 60 - 59 + 59 % 20
= 60 - 59 + 19
= 1 + 19
= 20
d = 59 / 20
= (2)

H/W

Q Given that $1^2 + 2^2 + 3^2 + 4^2 + \dots + N^2 = \frac{N(N+1)(N+2)}{6}$.

WAP to determine the value of $8^2 + 9^2 + 10^2 + \dots + 100^2$.