Q)A:	2 3 = 4 = 5 6 7 8 9 10 11 12 13 14 15 16 17	public public Syres Syre	e a java program to print your biodata?*/ age assignment1; class A1 { ic static void main(String[] args) { stem.out.println("
	Ci Fa Mo Co Br Ro	/ name ity -> ather' other' ollege ranch	s Name -> Jayant Singh s Name -> Malati Singh s Name -> IGIT, Sarang -> MCA
Q)A	A2>	2 3 ⊟ pu	Write a java program to find simple interest?*/ blic class A2 { public static void main(String[] args) { float principalAmt=Float.parseFloat(args[0]); float time=Float.parseFloat(args[1]); float rateOfInt=Float.parseFloat(args[2]); float simpleInt=0.0f; simpleInt=(Float)(principalAmt*time*rateOfInt)/100; System.out.println("Principal Amount="+principalAmt+"Time="+time+"Rate of Interest="+rateOfInt);
		14 15 } 16	Output: D:\RameshSirJava>javac A2.java D:\RameshSirJava>java A2 1000 2 5.6 Principal Amount= 1000.0Time= 2.0Rate of Interest =5.6 Simple Interest is::112.0 D:\RameshSirJava>
Q)A3	2	public of public of systems and systems are supported by the systems are s	class A3 { c static void main(String[] args) { at celsTemp=Float.parseFloat(args[0]); stem.out.println(celsTemp+"Celsius(°C) Temperature in Fahrenheit(°F) is "+((celsTemp*9/5)+32)+"°F"); put: RameshSirJava>javac A3.java RameshSirJava>javac A3.java RameshSirJava>javac A3. 44.65 Socclsius(?°C) Temperature in Fahrenheit(?°F) is 112.37?°F
Q)A5	3	L /*Sur 2 □ public 3 sta 1 □ puk 5 ii 7	m of all digits of any 4 digit numbers*/ c class A5I { tic int sum=0;
	10 11 12 13 14 15 16 17 18 19 20 21	2 r s s n n s n n n n n n n n n n n n n n	num=num/10; em=num%10; um=sum+rem; num=num/10; em=num%10; um=sum+rem; num=sum+rem; num=num/10; um=sum+num; system.out.println("Sum of "+temp+" is :: "+sum);
	∃ publi	D D S D D D D D D D D D D D D D D D D D	<pre>Putput: :\RameshSirJava>javac A5I.java :\RameshSirJava>java A5I um of 4578 is :: 24 :\RameshSirJava> ce value and position value of any 4 digit number?*/ usus { atic void main(String[] args) m=Integer.parseInt(args[0]); }</pre>
	}	Systen Systen Systen Systen	n.out.println("First Number\n\tFace Value="+(num/1000)+"\n\tPosition Value="+(num/1000*1000)); n.out.println("Second Number\n\tFace Value="+(num/100%10)+"\n\tPosition Value="+((num/100%10)*100)); n.out.println("Third Number\n\tFace Value="+(num/10%10)+"\n\tPosition Value="+((num/10%10)*10)); n.out.println("First Number\n\tFace Value="+(num%10)+"\n\tPosition Value="+(num%10)); D:\RameshSirJava>javac A5II.java D:\RameshSirJava>javac A5II.java D:\RameshSirJava>javac A5II.yava Second Number Face Value=4 Position Value=4000 Second Number Face Value=5 Position Value=500 Third Number Face Value=6 First Number Face Value=7 Position Value=7 Position Value=7
Q)A5	5III->	2	*Find the value available at position required by user it may be 10, 100 or 1000?*/ public class A5III { public static void main(String[]args)
		13	D:\RameshSirJava>javac A5III.java D:\RameshSirJava>java A5III 4578 The Number is4578 The value at 1000 position : 4 The value at 100 position : 5 The value at 10 position : 7 D:\RameshSirJava>
Q)A		2 . 3 □ pu	Sum of product of consecutive digits of any 4 digit number? Suppose num=1234 then output= 4*3+3*2+2*1 ?*/ blic class A5IV { public static void main(String[] args) { int num =Integer.parseInt(args[0]),sop=0; int rem1=num%10; int rem2=(num/10)%10; sop=sop+(rem1*rem2); rem1=rem2; rem2=(num/100)%10;
		13 14 15 16 17 18 19 20 }	<pre>sop=sop+(rem1*rem2); rem1=rem2; rem2=(num/1000)%10; sop=sop+(rem1*rem2); System.out.println("Sum of product of consecutive digits i.e. "+num+" is "+ sop);</pre>
Q)A!	1 1 2 3 1 4 1 5 6 7 8 9	Such a public cla public int r int s int s	D:\RameshSirJava> am of product of corresponding digits of two any 4 digit number as n=1234 m=7896 output=6*4+9*3+8*2+7*1.*/ ass A5v { static void main(String[] args) { n=Integer.parseInt(args[0]); m=Integer.parseInt(args[1]); sop=0; rem1=n%10;
	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 >25 26 27	rem rem sop: rem rem sop: rem sop:	rem2=m%10; =sop+(rem1*rem2); 1=(n/10)%10; 2=(m/10)%10; =sop+(rem1*rem2); 1=(n/100)%10; =sop+(rem1*rem2); 1=(n/1000)%10; 2=(m/1000)%10; 2=(m/1000)%10; 2=(m/1000)%10; =sop+(rem1*rem2); em.out.println("Sum of product of corresponding digits of two any 4 digit number i.e "+n+" & "+m+" is "+sop);
Q)	D:\Ra Sum o	meshSir of produ meshSir 1 □/*f 2 3 □ pul 4 5 □ 6	ind bitwise and , or , and xor of 2nd and 4th digit of any 4 digit number?*/ blic class A5VI { public static void main(String[] args) { int num=Integer.parseInt(args[0]);
		7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	int secondNum=num/100%10; int forthNum=num%10; //bitwise and and=secondNum & forthNum; //bitwise or or=secondNum forthNum; //bitwise xor xor=secondNum ^ forthNum; System.out.println("Bitwise and of second and fourth digit of "+num+" is "+and); System.out.println("Bitwise or of second and fourth digit of "+num+" is "+or); System.out.println("Bitwise xor of second and fourth digit of "+num+" is "+xor); }
Q))A5VII-	D:\Ram Bitwis Bitwis Bitwis D:\Ram	eshSirJava>java A5VI 4589 e and of second and fourth digit of 4589 is 1 e or of second and fourth digit of 4589 is 13 e xor of second and fourth digit of 4589 is 12 eshSirJava> * Find left shit, right shift and zero fill of summation of all digits of any 4 digit number and will be shifted by 3rd digit of any 4 digit number?*/ ublic class A5VII { public static void main(String[] args){ int num=Integer.parseInt(args[0]);
		6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	<pre>int n=num; int sum=0; int a=n%10; sum=sum+a; n=n/10; a=n%10; sum=sum+a; n=n/10; a=n%10; sum=sum+a; n=n/10; sum=sum+a; n=n/10;</pre>
		24 25 26 27 28 29 30 31 32 33 34	<pre>int rs=sum>>3; //finding left shift by 3 digit int ls=sum<<3; //finding right shift with zero fill int zf=sum>>3; System.out.println("Right Shift by 3 Of sum of number "+num+" is "+rs); System.out.println("Left Shift by 3 Of sum of number "+num+" is "+ls); System.out.println("Right Shift zero fill by 3 Of sum of number "+num+" is "+zf); } } D:\RameshSirJava>javac A5VII.java </pre> D:\RameshSirJava>java A5VII 4569
(Q)A6a		int result=0; int rem=num%10; result+=(rem%2==0)?rem:0;
		D:\Rai	result+=(rem%2==0)?rem:0; rem=(num/100)%10; result+=(rem%2==0)?rem:0; rem=(num/1000)%10; result+=(rem%2==0)?rem:0; System.out.println("Sum of all even digits numbers of a 4 Digits number i.e "+num+" is :: " +result);
q)A6b-	D:\Rai	f all even digits numbers of a 4 Digits number i.e 7896 is :: 14 meshSirJava> *Sum of all odd digits of any 4 digit number*/ nublic class A6b { public static void main(String[] args) { int num=Integer.parseInt(args[0]); int rem=num%10; result+=(rem%2!=0)?rem:0;
	D:\	23 \RameshS	rem=(num/100)%10; result+=(rem%2!=0)?rem:0; rem=(num/1000)%10; result+=(rem%2!=0)?rem:0; System.out.println("Sum of all Odd digits numbers of a 4 Digits number i.e "+num+" is :: " +result); } SirJava>javac A6b.java SirJava>java A6b 4563 L Odd digits numbers of a 4 Digits number i.e 4563 is :: 8
Q		-> 1 = 2 3 = 4 = 5 6 7 8 9 10 11 12	/*Difference between average of all even digits except divisible by 4 and avearge of all odd digits except divisible by 3 of any 4 digit number */ public class A6C { public static void main(String[] args) { int n,r,r1,r2,c1,c2,sum1,sum2,avg1,avg2,diff; sum1=0; sum2=0; c1=0; c2=0; n=Integer.parseInt(args[0]); r=n%10;
		13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	r1=(r%2==0)?((r%4==0)?0:((c1<++c1)?r:0)):0; r2=(r%2==0)?0:((r%3==0)?0:((c2<++c2)?r:0)); n=n/10; sum1=sum1+r1; sum2=sum2+r2; r=n%10; r1=(r%2==0)?((r%4==0)?0:((c1<++c1)?r:0)):0; r2=(r%2==0)?0:((r%3==0)?0:((c2<++c2)?r:0)); n=n/10; sum1=sum1+r1; sum2=sum2+r2; r=n%10; r1=(r%2==0)?((r%4==0)?0:((c1<++c1)?r:0)):0; r1=(r%2==0)?((r%4==0)?0:((c1<++c1)?r:0)):0; r1=(r%2==0)?((r%4==0)?0:((c2<++c2)?r:0)); n=n/10;
		31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	<pre>sum1=sum1+r1; sum2=sum2+r2; r=n%10; r1=(r%2==0)?0:((r%4==0)?0:((c1<++c1)?r:0)):0; r2=(r%2==0)?0:((r%3==0)?0:((c2<++c2)?r:0)); n=n/10; sum1=sum1+r1; sum2=sum2+r2; System.out.println("Sum of even no = "+sum1); System.out.println("Sum of odd no = "+sum2); avg1=sum1/c1; avg2=sum2/c2; System.out.println("Average of Even no ="+avg1); System.out.println("Average of Odd no = "+avg1); System.out.println("Average of Odd no = "+avg2);</pre>
		D: Su Av Av	<pre>diff=avg1-avg2; diff=(diff<0)?-diff:diff; System.out.println("Difference between two average = "+diff); } RameshSirJava>javac A6C.java RameshSirJava>java A6C 5632 um of even no = 8 um of odd no = 5 verage of Even no =4 verage of Odd no =5 efference between two average = 1</pre>
Q)A6D-	D:	*) Sum of product of consecutive even digits of any 4 digit number? Supoose num 1624 then output= 4*2+2*6? / ublic class A6D { public static void main(String[] args) { int num = Integer.parseInt(args[0]); int sum=0; int rem1 = num % 10; int rem2 = (num / 10) % 10;
	D:\Ra	13 14 15 16 17 18 19 20 21 22 23 24 25 }	<pre>sum+=(rem1%2==0&& rem2%2==0)?(rem1*rem2):0;s rem1=rem2; rem2=(num/100)%10; sum+=(rem1%2==0&& rem2%2==0)?(rem1*rem2):0; rem1=rem2; rem2=(num/1000)%10; sum+=(rem1%2==0&& rem2%2==0)?(rem1*rem2):0; System.out.println("Sum of Product of Consecutive Even Digits of "+num+" is ::"+sum); }</pre>
Q)	Sum c	of Production of	*Sum of product of consecutive ODD digits of any 4 digit number? *Suppose num 1356 then output= 1*3+3*5? */ public class A6E { public static void main(String[] args) { int num = Integer.parseInt(args[0]); int sum=0; int rem1 = num % 10;
		11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	<pre>int rem2 = (num / 10) % 10; sum+=(rem1%2!=0&& rem2%2!=0)?(rem1*rem2):0; rem1=rem2; rem2=(num/100)%10; sum+=(rem1%2!=0&& rem2%2!=0)?(rem1*rem2):0; rem1=rem2; rem2=(num/1000)%10; sum+=(rem1%2!=0&& rem2%2!=0)?(rem1*rem2):0; System.out.println("Sum of Product of Consecutive ODD Digits of "+num+" is ::"+sum); </pre>
Q)	D:\Ra Sum c	ameshSir of Produ ameshSir	/*Difference between Sum of product of consecutive even digits except 2 and 6 and Sum of product of consecutive odd digits except 3 and 7 of any 4 digit number */ public class A6F{ public static void main(String[] args) { int n,m,r = 0,r1,r2,r3,r4,sum1,sum2,diff; sum1=0;
		10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	n=Integer.parseInt(args[0]); m=n; r=n%10; r1=(r%2==0)?(((r!=2)&&(r!=6))?r:1):1; n=n/10; r=n%10; r2=(r%2==0)?(((r!=2)&&(r!=6))?r:1):1; n=n/10; sum1=((r1%2==0)&&(r2%2==0))?(sum1+r1*r2):sum1;
		28 29 30 31 32 34 35 36 37 38 39 40 41 42 43 44	r=n%10; r4=(r%2==0)?(((r!=2)&&(r!=6))?r:1):1; n=n/10; sum1=((r3%2==0)&&(r4%2==0))?(sum1+r3*r4):sum1; System.out.println("sum of product of consecutive even no is="+sum1); r=m%10; r1=(r%2==0)?0:((r!=3)&&(r!=7))?r:0; m=m/10; r=m%10; r2=(r%2==0)?0:(((r!=3)&&(r!=7))?r:0; m=m/10;
		46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	sum2=((r1%2==0)&&(r2%2==0))?sum2:(sum2+r1*r2); r=m%10; r3=(r%2==0)?0:((r!=3)&&(r!=7))?r:0; m=m/10; sum2=((r2%2==0)&&(r3%2==0))?sum2:(sum2+r2*r3); r=m%10; r4=(r%2==0)?0:((r!=3)&&(r!=7))?r:0; m=m/10; sum2=((r3%2==0)&&(r4%2==0))?sum2:(sum2+r3*r4); System.out.println("sum of product of consecutive odd no is="+sum2); diff=sum1-sum2; diff=(diff<0)?-diff:diff;
D: su su Di	\Rames m of p: m of p: fferen	hSirJava roduct of ce between	System.out.println("Difference between Sum of product of consecutive even digits and Sum of product of consecutive odd digits="+diff); a>javac A6F.java a>java A6F 4859 of consecutive even no is=32 of consecutive odd no is=45 een Sum of product of consecutive odd digits=13
Q	, 46 G	1 1 1 1 1 1 1 1	first any digit number and corresponding odd digit of any 4 digit number Such as n=1234 m 4567 output=4+7+2*5 ? */ public class A6G { public static void main(String[] args) { int n1,n2,r1,r2,sum; sum=0; n1=Integer.parseInt(args[0]); n2=Integer.parseInt(args[1]); int r = n1%10; r1=(r%2==0)?r:0; n1=n1/10; r=n2%10; r=n2%10; r=n2%10; r=1=(r%2==0)?0:r;
		1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3	n2=n2/10; sum=sum+r1*r2; r = n1%10; r1=(r%2==0)?r:0; n1=n1/10; r2=(r%2==0)?0:r; n2=n2/10; sum=sum+r1*r2; r = n1%10; r1=(r%2==0)?r:0; n1=n1/10; r1=(r%2==0)?r:0; n1=n1/10; r2=(r%2==0)?0:r; n2=n2/10; sum=sum+r1*r2;
):\Rame	3 3 4 4 4 4 4 4 4 4 4 4 4 8 8 8 8 8 8 8	r = n1%10; r1=(r%2==0)?r:0; n1=n1/10; r=n2%10; r2=(r%2==0)?0:r; n2=n2/10; sum=sum+r1*r2; System.out.println("Sum of product of corresponding digits of two any 4 digit number is="+sum); } System.out.println("Sum of product of corresponding digits of two any 4 digit number is="+sum); } Na>javac A6G.java
9	Sum of		of corresponding digits of two any 4 digit number is=38

Assignment-1