Assingment 1

Q1. Number is Even or odel?

Aro. O Enter a number (n);

Dif n1/2 ==0

3 Number is even.

Delse its odd.

Q2. Find Factorial of a given number?

Ans. O Enter a number (1) for which to find factorial

2 défine int variable a =1.

3 Using for loop in range (2 ci < n) itt.

(a sa*)

5 SOP (2)

Q3. Factorial of a number using recursion?

Ans () Enter a number (n)

(3) define variable (a = 1).

@ In main method calling method fact(n)

(5) a = n* fact(n-1)

(6) SOP (a).

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Q4. Swap 2 variables without using 3° variable?	
mi Dister 2 number a 8 b.	
3 bsa-b;	
(1) a = a - b; (3) sop(a,b)	
25. Check wether a number is positive or regative?	
Am ① Enter a number(n) ② if (n ≥0);	
3 Number (n) is positive. 9 else & number is negative 3	
26. Whether a given number is leap year or not?	
① Enter a number (n); ② if (n % 4 = = 0)	
Belse & n is not a leap year?	
17. Write program to print 1 to 10 without using loop)
DENT Make function/method Recall the function again. Deut on if condt to i < 10;	
an it condt to 1<10;	

							1 0
28.	Program	to	print	digits	of a	given	number?

ADDERter int stra

(2) b = a.length()

3 typecost strato int and store in 'c'. (c=(int) a)

@ for (1=0; i=b; i++)

3) int d = 0% 10

6) int c = c/10

Deprint (d).

29. Print factors of a given number?

Ano D Enter a number n.

D Put for loop (b) (ist; i<n; i+t)

3 ff m 1% ==0

6 Print ?

5) else continue.

alo. Print sum of dégits of a given number?

Ans O Enter a number (1)

2) Then C = length of (n).

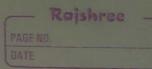
3 for (1 =0; 1<= c; 1++)

9 a = nº/10

5 n= n/10

@int Sum = Sum + a

(9) SOP (Sum)



211 Program to find smallest of 3 numbers? (a, b, c)

O Enter (Input) number a, b, c. AM'

@ if (ast 88 asc)

sop(at" is smallet")

3) else if (64C) SOP(b+" is smallest")

(1) else if (b>c)

SOP (C+" is smallest")

2. Add two numbers without using drithenetic operators?

1 Input two number a 23.

2 find min (Smallest number from a & b. (Math. min ())

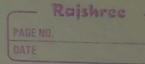
using for loop. (suppose a is small)

(3) for (i = a; i < a; i++)

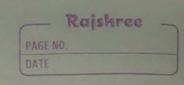
3 から十十;

@ Print (b).

Q13. Program to reverse a number?
Ans O'Enter input number (1) integer
② Store length of story in c. (c=len(n))
3 for (100; ixsc; i+t)
F int a = 11.10
6) · n = n/10
© str rev = " "
Trev=rev+a
(8) SOP(rev)
Our of the state of the state of
Q14. Program to find CrCP of 2 given numbers!
Am D'Enter number a, b.
2) Cs Moth. min (a, b)
3 if (c While (c > 0) d
(F) if (a7.c==0) (
5 noturn e 4
Tetwon <= 5
Fesult;
7 return result
8 SOP (result.)



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215. Program to find LCM of 2 given numbers?
D'Enter numbers a, b
3 9 min is a then a 4. a==0 & & 6 7. a == 0
0.1 /(01/107m b
Belse if men isb then a 7.6 s = 0 & & 67.6 s = 0
1) Enter 2 number a > b.
1 LCM = axb
GCD(a1b)
3 To find GCD of a16:
1 Run a loop for a & by from 1 to max of a & b.
3 Check if no divides both a Db.
if yes the store it.
@ Print the stored number.



3 17. Check it given number is pollindrome or No79

Ans- O Input a number (n). (Integer)

- D int a = n % lo;
- 3 int sum = sum + 23

Q19. Print Ever number series 2, 4,6,8.

Ans- 1) for (i=2; i<100; i++)

2 i++;

3 Print (i)

Q20. Prist odd number serves 1,3,5 ---

- Ans. () int is

 (3) for(i=1; i(100; i++)

 - 3 frint (i)