B'Sireely import javaiutil. Sconner; 51834734 P. No. 1 public static void main (String args (?) System. out. printle (" Name: B. Sirecitain SAP: d: 51834734"); Scanner se = new Scanner (Systemsia); System.out.println("Enter no. of studen elements: "); int n = Sc. next Int () int [] on inte [n] System.out.printdn ("Enter '+n + ! element:" to the sale of the sole of int for ( int i = 0; i < n; i++) arr[:] = sc. nextInt(); Il The above loop is used for taking
Il n number of inpub from user; 11 calling method for sorting merge Soit (arr, n);

System. out. printedo (" Output: In Array element after sorting wing merge Sort i') (e for (int i=0); ich; i++) 11 This loop is used to print all the element System.out.print(arr(i) + " ") Sconner se e new Scanner ( System Eig); She you on tolas. July de grown of singer Public statice void merge (int-C) left, int-CI right, int-C) arr , int left, inter Brandy ENS " no E3 to: Sylven. Out. propher (0:10 in originalis while (3 < left N X& lc< right N) Il loop to check the condition for sorting. it ( belefo (2) < right (k)) pessed will if an left (i) is smaller, that element pared in the array. egine ich boding poilles II:

3. Strees wh: le ( j < lefter) arr (:++) = left (: ++); while ( k < kightn) arr(i++) = right(k++); public static void merge Sort (int ar , int a) (born, dage ) deal apen me return je words ( forth eighte face int mid = n/2; int[] left = new B int [mid]; : new int [ n - mid], int() right

13. No.4 for ( ible 100 ) 180 ) 144) loop breaks the array into two su barrays. ( 18 8 bet 2 ) + 1 . 1 . 1 if (i e mid) left [:3 = arr [:3; (Maly a s a ) olde right Cled; arr (: 3) oldede sildes merge Soit (left, mid); merge Soit ( right, mid); Merge Sort merge Cleft, right parr, mid, nomid); (bear) to all was a stant E 3 to . ( the man of the man on the form of the

```
× Terminal
```

```
Name:B.Sireesha
SAP id:51834734
Enter no. of elements: 5
Enter 5 elements:
13
368
42
1569
Output:
Array elements after sorted using Merge Sort:
9 13 42 368 1569
Process finished.
```

## × Terminal



```
Name:B.Sireesha
SAP id:51834734
Enter no. of elements: 6
Enter 6 elements:
13689
268
1479
14
146
Output:
Array elements after sorted using Merge Sort:
1 14 146 268 1479 13689
Process finished.
```

```
× Terminal
```



```
Name:B.Sireesha
SAP id:51834734
Enter no. of elements: 5
Enter 5 elements:
-190
-10
10
100
Output:
Array elements after sorted using Merge Sort:
-190 -10 0 10 100
Process finished.
```

CREATE OR REPLAIF FUNCTION (P.No. 5

tax-fin Csalary employee basic - salary 1 type)

Return RETURN number;

If (salarle salary > 40000) THEN tax:= salary \* 0.5;

BELLISH FOX; END;

3. DECLARE

IP.No. 6

R-name varchai(20);

salary number;

BEGIN

Seel SELECT ename, basic-salory into

Riname, salary from employee;

DBMS-OUTPUT. PUT-LINE Ce-namell" "11

salary);

MHEN (1960) LHEN DBMS-OUTPUT PUT-LINE ('invalid id'); WHEN no-date-found THEN DBMS\_OUTPUT. PUTLINE ("Error"); WHEN Goo-mony - rows THEN DEMS\_ OUTPUT. PUTLINE (" Too many now selected");

WHEN value error THEN DBMS\_OUTPUT. PUT.LINE (" Change the datatype ");

. END;

the Desire more amore a