Informal End Semester LAB EaunBration System Design Lab.

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Algorithm:
1)
   -> Enter Both arrays with Some values.
   -> Sort each arrays
   - Combine I merge dorted garays
  - Then find Is Median Value.
   Script/code:
   Rebo "Enter the number of elements of first array"
   read DI
   echo "enter number of elements of Belond array"
   sead no
   1082' encpr $11+$12
   echo entes elements of 1st array
   tor ((121,3 <= 801; 9+A)
    do
     echo -n'enter element & i'
     read arm I [si]
    done
     echo "enter elements of Second array"
     for ((1=1; 12 4 n2; 1+1))
     echo - b "enter elements di;"
     read armalfil
    done
    021
    121
     whole [si-le 8 oi] 28 [sj-le 4n2]
      7-[8{arricai] {- it $ {arra[41]3]
     90
     then
      arr 8 [$K] = $ {arr 1 [8 i]}
      e'z'expr @i+1'
      k2'encpy Okt1
     ann 8[$ k] = $ [ann 2 [di]]
```

```
1 = 2 200 40 +1
 K2 'empr okti'
done
  while [di -le an]
  00
  ann 3 [4K] = 8 sm1 [4i]}
  Czeryrotiti
  K2 "escp" $ k+1"
 done
 while [40'-le 8 m2]
 90
   am3[4k] = 9 [9772[9]]
   5 2' exp y $ 1+1'
   kz 'expr $k+1'
 don
 echo "The muged array Ps
  for (1:21; 1<2 $ 00; 1++))
    echo & farra [4i]]
    done
     nel = $ }# arm 3 [ 0] }
    J ((4nel % 2 = z1));
   then
    Valz 4 2 arra [ 4 clanel 2+1))]]
   else
     ((jzne1/2))
     ((k=j-1))
     ([V9/2 ($ 9my 8 [J] + 4 my 8 [12] 8) (2)
   g.
 echo " Median 88" & val.
```

Result Output verified correctly.

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Argerithm:

Read the entired file.

The number is odd number then move on to the odd number then move to the even number then move to the even number then move on to the odd number then move to the even number then move to the even number then move to the even number then the odd number then move to the even number then the odd number then move to the even number then the the even number then the odd number then the odd number then move to the even number then the odd number then the odd number then the odd number then the odd number then nove to the odd number then the odd number the odd numbe
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Code [shell script 1

cat number tat | while read num

of ['echo "dinumi %2" | bc'-en o]

then

echo dinumizz even. numbers. tat

else

echo dinumizz odd. numbers. tat

echo dinumizz odd. numbers. tat

done.

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