ZOHO INTERVIEW QUESTIONS

Section II – C aptitude 1)

int main( )

{

printf( “ %s %s”,(“ Zoho” “ corp ” ), (“ Campus ” ” corpp ” ),(“ Zoho” “ Corporation ” );

}

2)

int main()

{

int x=3,y=4,z=4;

printf( “ ans=%d \n” ,(z>=y>=x?100:200)); return 0;

}

3)

int main()

{

struct num

{

int n1:2; int n2:3; int n 3:4;

} num {3, 4,5};

printf( “ %d%d%d\n” ,num.n1,num. n2,num.n3) ;

}

4)

unsigned int i=650000; while(i++!=0)

{

printf (“ %d”,i);

}

5) int main

{

sum=0; int I,j;

for(i=0;i<=10 00;i\*=2)

{

for(j=1;j< I;j++)

{

sum++;

}

printf( “%d” ,sum);

}

6.

for( int i=0; i++;prinf( “ %d” ,i)); pri ntf( “%d”,i);

7.

int a=0,b=0; if(a++&&b++)

printf( “ %d%d”,a,b); else

prin tf(“ great ” );

8. enum SWITCH{off,on} ; main()

{

enum SWITCH s= on;

printf( “ size of enumerat ion %d \n”, sizeof(enum S WITCH)); printf( “ size of object s is %d \n”, sizeof(s));

}

1. ROUND
   1. Given a set of elements as an array find the median of the array. Median is the value which separates the higher indexes from the lower indexes.

E.g.: input = [1, 2, 3] outp ut = 2; input = [1, 2, 3, 4] output = 2.5

* 1. Given a set of strings find the first occurrence of a string E.g.: input = [ AL, AL, GH, F, GH, PK] output = F
  2. Given an array of numbers find a subset from the array such that the average for the whol e set of numbers should equal the average of the numbers in the subsets deduced from the main array.

E.g.: input = [10, 20, 30, 40] output = [20, 30] [10, 40]

Input = [20, 40, 60] output = [40] [20, 60]

* 1. Implement a LRU (Least Recently Used) cach e of size 10.
     + There must be a key and value for each element in cache
     + There must be two functions get (key) and put (key, value)
     + When trying to add after 11 th element the least recently accessed element should be replaced.

1. ROUND

Implement a dictionary which can store words in sequential order of occurrence. Implement an efficient data structure so that the search for elements must be fast even if there is a presence of one lakh words.

The input will be a paragraph from which the program has to find misspelled words and provide a near match to the word present in the dictionary.

Sample dictionary: A

An Apple Away Ball Cat Day Doctor

Keeps The

Sample Paragraph:

An Apple A Day Keeps The Dctor Away Output:

Suggested word for Dctor is Doctor