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#include<stdio.h>
#define SQUARE(X) (X*X);
int isprime(int num){
    for(int i=2;i<num;i++){
        if(num%i==0){
            return 0;
        }
    }
    return 1;
}
int squareNumbers(int *arr,int size){
    int maxi=arr[0];
    int mini=arr[0];
    for(int i=0;i<size;i++){
        if(maxi < arr[i]){
            maxi=arr[i];
        }
        if(mini > arr[i]){
            mini=arr[i];
        }
    }
    int diff=maxi*maxi - mini*mini;
    return diff;
}
int main(){
    int size;
    printf("Enter the size of the array\n");
    scanf("%d",&size);
    printf("enter array:\n");
    int arr[size];
    for(int i=0;i<size;i++){
        scanf("%d",&arr[i]);
    }
    int len=sizeof(arr)/sizeof(arr[0]);
    int diff=squareNumbers(arr,size);
    int val1;
    int val2;
    for(int i=diff;i<diff+100;i++){
        if(isprime(i)==1){
            val1=i;
            break;
        }
    }
    for(int i=diff-1;i>diff-100;i--){
        if(isprime(i)==1){
            val2=i;
            break;
        }
    }
    if(diff-val1>=val2-diff){
        printf("%d",val1);
        return 0;
    }
    else{
        printf("%d",val2);
    }
}

```