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Q1. https://onlinegdb.com/zuY4g03D9

Q2. https://onlinegdb.com/Xwt235YcKP

Q3. https://onlinegdb.com/b2GZIVQLI

// Finding third repeating element :-

```
# include < stdio.h >
int main ()
{ int pos, num, i, j, index = 0, coun
  printf (" Size of array : ");
  scanf ("%d", & num);
  int arr [num];
  printf (" Enter array elements : "
  for (i=0; i< num ; i++)
  {     scanf ("%d", & arr[i]);
    }
  for ( i= 0; i< num ; i++)
{       count = 0;
        for ( j=0; j< num ; j++)
          {     if (arr[i] != -1)
                {     if (arr [i] == arr[j])
                                count++;
                      arr [index] = -1
                }
          }
  if ( count >1)
              pos++;
  if (pos == 3)
    {       printf (" Third repeating element
            printf ( "%d", arr [i]);
              break;
    }
} return 0;
}
```

// Print pallindrome numbers from an array of numbers :-

```
#include <stdio.h>
void Pallindrome (int arr[], int n)
{   int c = 0;
    int dig, i, temp, rev;
    int arrp[n], index = 0;
    for ( i=0 ; i<n; i++) {
        rev =0;
        temp= arr[i];
        while (temp >0)
        {   dig = temp % 10;
            rev = (rev * 10)+ dig;
            temp = temp/10;
        }
        if (arr[i] == = rev)
        {   arrp [index]= arr[i];
            index ++;
            c++;
        }
    }
for ( i=0; i<c; i++)
}       printf ("%d", arrp[i]);
```

```
int main()
{ int n, i;
printf ("Enter the size of array:");
scanf ("%d", &n);
int arr[n];
printf ("Enter array elements:");
for (i=0; i<n; i++)
        scanf ("%d", &arr[i]);
pallindrome (arr, n);
return 0;
}
```

// Print prime numbers from an array of numbers :-

```
# include < stdio.h >
# define MAX 50
void Prime ( int n)
{     printf (" Enter array elements :");
      int j, count, arr[MAX], i;
      for (i=0; i<n ; i++)
      {     count =0;
            scanf (" %d", & arr[i]);
            for ( j=1; j< arr[i]; j++)
            { if ( arr[i] % j == =0)
                  count ++;
            }
            if (count == =2)
                  printf (" %d", arr[i]);
      }
}
int main( ) {
      int a;
      printf (" Enter no. of elements :");
      scanf (" %d", &a);
      prime (a);
      return 0;
}
```