

WIPRO NLTH CODING ANSWERS – 29TH JAN AFTERNOON SLOT

1. Warehouse Ecommerce company

```
#include <stdio.h>

#include <string.h>

int main() {

char s[100];

int i;

printf("\nEnter a string : ");

gets(s);

for (i = 0; s[i]!='\0'; i++) {

if(s[i] >= 'a' && s[i] <= 'z') {

s[i] = s[i] - 32;

}

}

printf("\nString in Upper Case = %s", s);

return 0;

}
```

2. Garment company apperal

```
#include<stdio.h>

int main()

{

int n;

scanf("%d",&n);

int a[n],i;

for(i=0;i<n;i++)
```

```

{
    scanf("%d",&a[i]);
}
int sroot,c=0;
for(i=0;i<n;i++)
{
    for(sroot=2;sroot*sroot<a[i];sroot++)
        if(sroot*sroot==a[i])
            c++;
}
printf("%d",c);
}

```

3. Credit score code

```

int numCustomers;

    int balance[300];

int smalestProduct=0,first,sec;
scanf("%d",&numCustomers);
    for(int i=0;i<numCustomers;i++)
{
    scanf("%d", &balance[i]);
}
    for(int i=1;i<numCustomers;i++)
{
    if((balance[i]*balance[i-1])<smalestProduct)
    {
        smalestProduct= (balance[i]*balance[i-1]);
    }
}

```

```

first= balance[i];
sec=balance[i-1];
}
}

printf("%d ",first+sec);

```

4. NGO

```

#include <stdio.h>

int main() {
    int n,i;
    scanf("%d", &n);
    int a[10];
    for (i = 0; i < n; i++) {
        scanf("%d", &a[i]);
    }
    int sum=0;
    for (i = 0; i < n; i+=2) {
        sum+=a[i];
    }
    printf("%d",sum);
    return 0;
}

```

5. Fun games

```

def score(k):
    n1, n2 = 0, 1

```

```

count = 0

x=[]

if k <= 0:
    return 0

elif k == 1:
    return 1

else:
    while count < k:
        x.append(n1)

        nth = n1 + n2

        n1 = n2

        n2 = nth

        count += 1

    return(sum(x))

k = int(input())

print(score(k))

```

6. Online lottery

```

#include <stdio.h>

int main()

{

int n;

scanf("%d",&n);

int a[n],i,j,prod[n-1],t;

for(i=0;i<n;i++)

{

scanf("%d",&a[i]);

```

```

}
for(i=0;i<n-1;i++)
{
for(j=0;j<n-1-i;j++)
{
if(a[j]>a[j+1])
{
t=a[j];
a[j]=a[j+1];
a[j+1]=t;
}
}
}
for(i=0;i<n-1;i++)
{
prod[i]=a[i]*a[i+1];
}
int sum;
if(prod[0]>prod[n-2])
sum=a[0]+a[1];
else
sum=a[n-1]+a[n-2];
printf("%d",sum);
return 0;
}

```

7. Bucket I'd code

```
#include<stdio.h>
```

```

int main()
{

int n,i,arr[1000000],temp;
int m,sum=0;
scanf("%d",&n);
for(i=0;i<n;i++)
{
scanf("%d",&temp);
while(temp>0)
{
m=temp%10;
sum=sum+m;
temp=temp/10;
}
arr[i]=sum;
sum=0;
}
for(i=0;i<n;i++)
printf("%d ",arr[i]);

return 0;
}

```

8. Gift hampers

Programming Language: C (GCC 9.2.0)

```
#include<stdio.h>
```

```
int main()
{
    int n, numk;
    int i,j,c=0;
    scanf("%d",&n);//ProductTypes
    scanf("%d",&numk);
    int prices[n];
    for(i=0;i<n;i++)
scanf("%d",&prices[i]);
    for(i=0;i<n;i++)
    {
for(j=i+1;j<n;j++)
    {
        if((prices[i]-prices[j]==numk) || (prices[j]-prices[i]==numk))
c++;
    }
    }
    printf("%d",c);
    return 0;
}
```