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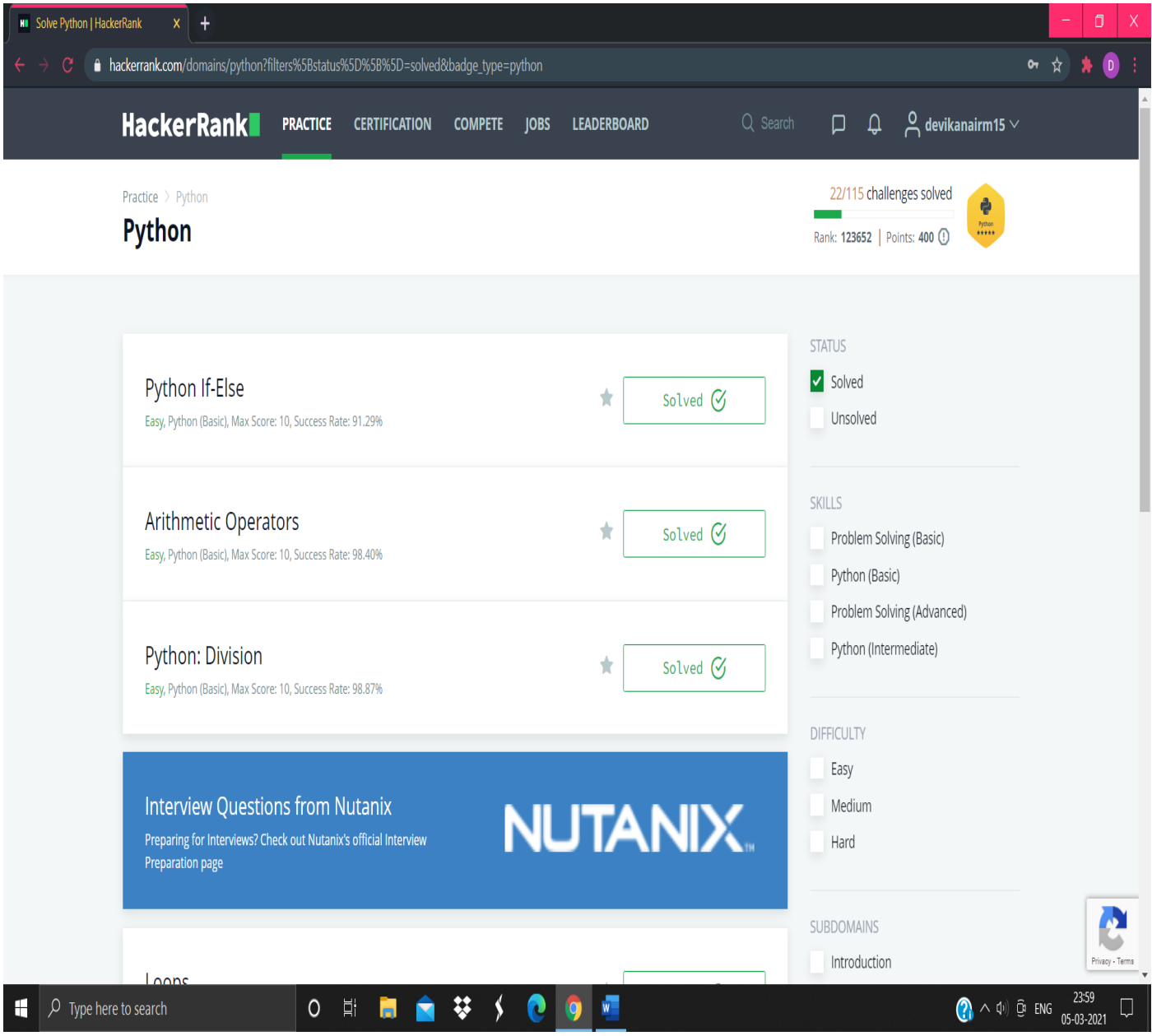
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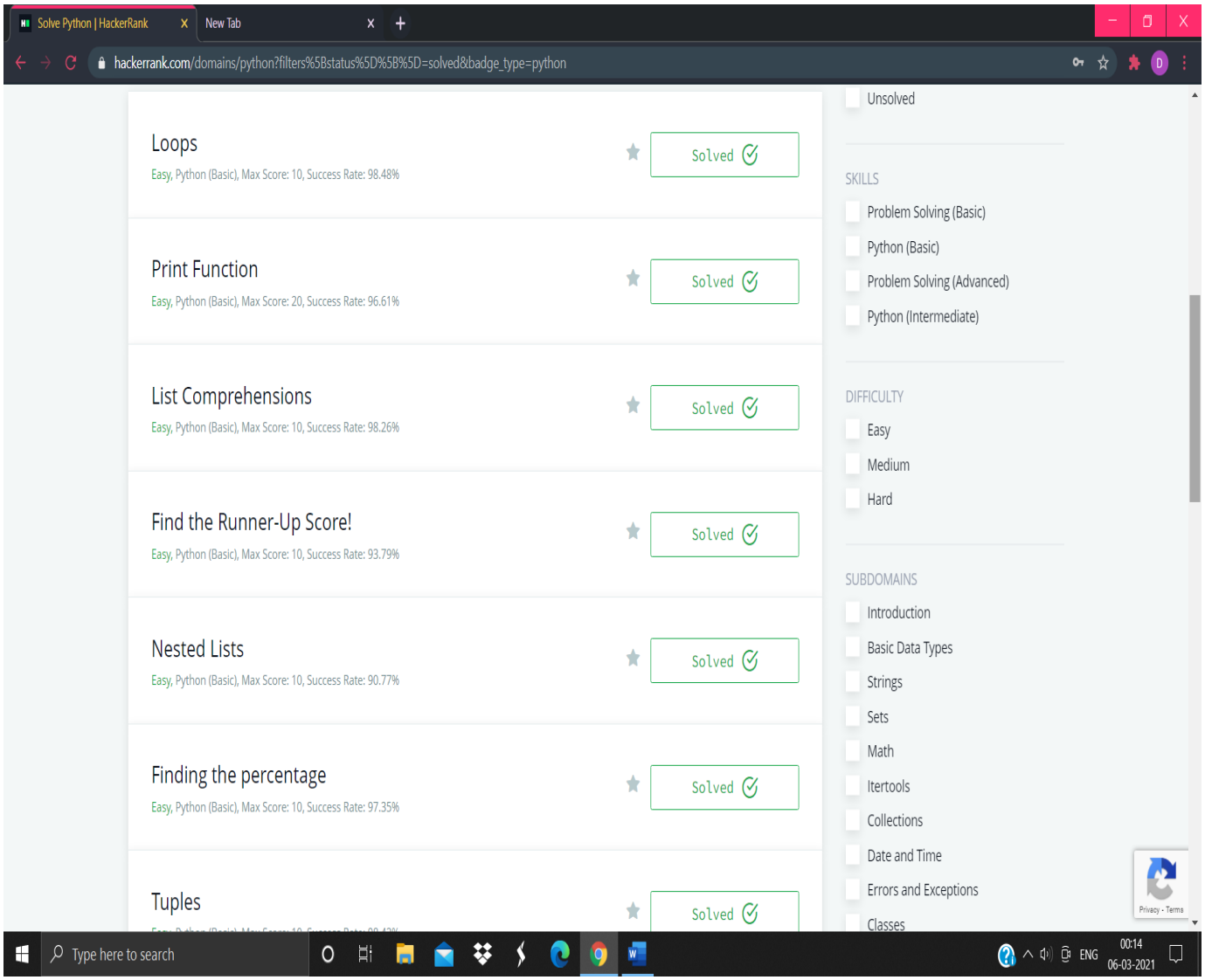

1) Python If-Else

```
#!/bin/python3

import math
import os
import random
import re
import sys
if __name__ == '__main__':
    n = int(input().strip())
if n%2==0:
    if n>=2 and n<=5:
        print("Not Weird")
    elif n>=6 and n<=20:
        print("Weird")
    elif n>20:
        print("Not Weird")
else:
    print("Weird")
```

2) Arithmetic Operators

```
if __name__ == '__main__':
    a = int(input())
    b = int(input())
    print(a+b)
    print(a-b)
    print(a*b)
```

3) Python: Division

```
if __name__ == '__main__':
    a = int(input())
    b = int(input())
    print(a//b)
    print(a/b)
```

4) Loops

```
if __name__ == '__main__':
    n = int(input())
    for i in range(n):
        print(i**2)
```

5) Print Function

```
if __name__ == '__main__':
    n = int(input())
    li=[]
    for i in range(1,n+1):
        li.append(str(i))
    print("".join(li))
```

6) List Comprehensions

```
if __name__ == '__main__':
    x = int(input())
    y = int(input())
    z = int(input())
    n = int(input())
    li=[]
    for i in range(x+1):
        for j in range(y+1):
            for k in range(z+1):
                new=[]
                if not i+j+k==n:
                    new.append(i)
                    new.append(j)
                    new.append(k)
                    li.append(new)
    print(li)
```

7) Find the Runner-Up Score!

```
if __name__ == '__main__':

   n = int(input())

   arr = list(map(int, input().split()))

   m=max(arr)
```

```
    temp=arr.copy()
    for i in temp:
        if i==m:
            arr.remove(i)
    print(max(arr))
```

8) Nested Lists

```
n=int(input())
name=[]
mark=[]
nf=[]
for i in range(n):
    name.append(input())
    mark.append(float(input()))
m=min(mark)
nt=name.copy()
mt=mark.copy()
for i,j in zip(nt,mt):
        if j==m:
            name.remove(i)
            mark.remove(j)
for i,j in zip(name,mark):
    if j==min(mark):
        nf.append(i)
nf.sort()
for el in nf:
    print(el)
```

9) Finding the percentage

```
if __name__ == '__main__':
    n = int(input())
    student_marks = {}
```

```
    for _ in range(n):
        name, *line = input().split()
        scores = list(map(float, line))
        student_marks[name] = scores
    query_name = input()
    li=student_marks[query_name]
    print(format(sum(li)/len(li),".2f"))
```

10)Tuples

```
if __name__ == '__main__':
    n = int(input())
    integer_list =tuple( map(int, input().split()))
    print(hash(integer_list))
```