2.1 Task 1:

```python
s1 = input()
s2 = input()
s3 = ""


def fun(i, j, k, s):
    global s1
    global s2
    global s3
    if i == len(s1) or j == len(s2):
        if len(s3) == len(s):
            s3 = min(s, s3)
        elif len(s3) < len(s):
            s3 = s
        return k
    if s1[i] == s2[j]:
        return fun(i + 1, j + 1, k + 1, s + s1[i])
    return max(fun(i + 1, j, k, s), fun(i, j + 1, k, s))


fun(0, 0, 0, "")
print(s3)
```

Input:

ABCD
BACD

Output:

ACD

Task 2: Write the code as per the given test cases

```
x = abs(int(input()))
if x == 0:
    print("No Factors")
    exit()
for i in range(1, x + 1):
    if x % i == 0:
        if i != x:
            print(i,end=", ")
        else:
            print(i)
```

Input 1:
54

Output 1:
1, 2, 3, 6, 9, 18, 27, 54

Input 2:
 -1869

Output 2:
 1, 3, 7, 21, 89, 267, 623, 1869