slip 1

```
class s1q1{
 public static void main(String args[]){
  for(char i='A';i<='Z';i++){
   System.out.print(i+" ");
  }}}
```

```
import java.io.*;
class s1q2{
 public static void main(String args[]){
  try{
   int i;

   FileInputStream fin= new FileInputStream("file1.txt");
   FileOutputStream fout= new FileOutputStream("file2.txt");

   try{

   do{
   i=fin.read();
   char ch=(char)i;
   if(ch>='A' && ch<='Z'||ch>='a' && ch<='z')
   {
    if(i!=-1)
     {
      fout.write(i);
      }
    }
   }while(i!=-1);
```

```
  System.out.println("file copied successfully");
  fin.close();
  fout.close();
 }
 catch(IOException e){
  System.out.println("error in copying file");
  }
}
catch(FileNotFoundException e){
System.out.println("file not found");
}
}
}
```

```
def remove_duplicates(numbers):
   return list(set(numbers))
n = int(input("Enter the number of elements in the list: "))
numbers = []
for i in range(n):
   num = int(input(f"Enter number {i+1}: "))
   numbers.append(num)
unique_numbers = remove_duplicates(numbers)

print("List after removing duplicates:", unique_numbers)
```

```
  import tkinter as tk
from tkinter import messagebox
from datetime import datetime
```

```
def calculate_age():
    try:
        birthdate_str = birthdate_entry.get()
        birthdate = datetime.strptime(birthdate_str, "%Y-%m-%d")
        today = datetime.today()
        age = today.year - birthdate.year - ((today.month, today.day) < (birthdate.month, birthdate.day))
        messagebox.showinfo("Your Age", f"You are {age} years old.")
    except ValueError:
        messagebox.showerror("Invalid Input", "Please enter a valid date in the format YYYY-MM-DD")

# main window
root = tk.Tk()
root.title("Age Calculator")
root.geometry("300x150")

# label and entry for birthdate input
birthdate_label = tk.Label(root, text="Enter your birthdate (YYYY-MM-DD):")
birthdate_label.pack(pady=10)

birthdate_entry = tk.Entry(root)
birthdate_entry.pack(pady=5)

#  button to calculate age
calculate_button = tk.Button(root, text="Calculate Age", command=calculate_age)
calculate_button.pack(pady=20)

# Run the application
root.mainloop()
```