Task – 1

```
# Word Count Program
# Read input from a file
inputFile = open("sampleIP.txt", "r+")
# Write output to a file
outputFile = open("sampleOP.txt", "w+")
# Count array declare
count = {}
# Loop and split each word in the file
for word in inputFile.read().split():
    if word not in count:
        count[word] = 1
    else:
        count[word] += 1
# Output the word and count to a file
for w, c in count.items():
    outputFile.write(w)
    outputFile.write(":\t")
    outputFile.write(str(c))
    outputFile.write("\n")
print("Done! Please Check sampleOP.txt")
# Close files
inputFile.close()
outputFile.close()
```

Task – 2

```
# Pangram Check Program
# Function to check for Pangram with input as string
def checkAlphabetsInString(s):
    # List declare
    list = []
    numOfAlphabets = 26
    # List instantiate and set all 26 alphabets to false
    for a in range(numOfAlphabets):
        list.append(False)
    # Change words to lower case and iterate
    for w in s.lower():
        if not w == " ":
            # Set to true
            list[ord(w) - ord('a')] = True
    # Return false if an alphabet is missing, true otherwise
    for alp in list:
        if not alp:
            return False
    return True
# Input String
line=input("Enter the sentence\n")
# Example for perfect pangram - "Jaded zombies acted quaintly but kept driving their oxen forward"
print(checkAlphabetsInString(line))
```

Task – 3

```
# Program to find numbers divisible by 5 and multiple of 2
# Result array declare
res = []
# Loop over the range to find numbers which are divisible by 5 and multiple of 2
for dm in range(700, 1700):
    if (dm % 2 == 0) and (dm % 5 == 0):
        res.append(str(dm))
# Print the result
print(res)
```