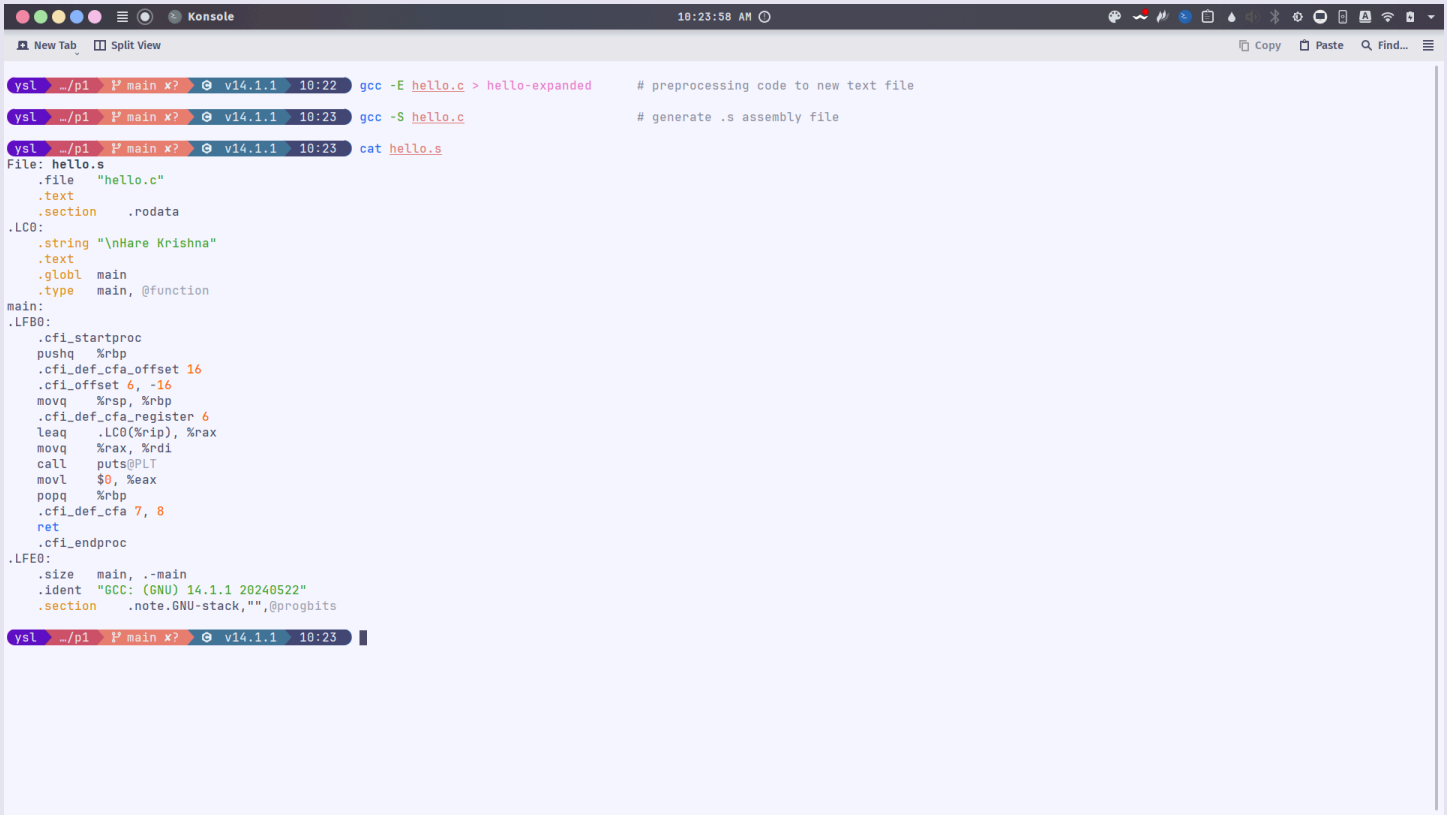
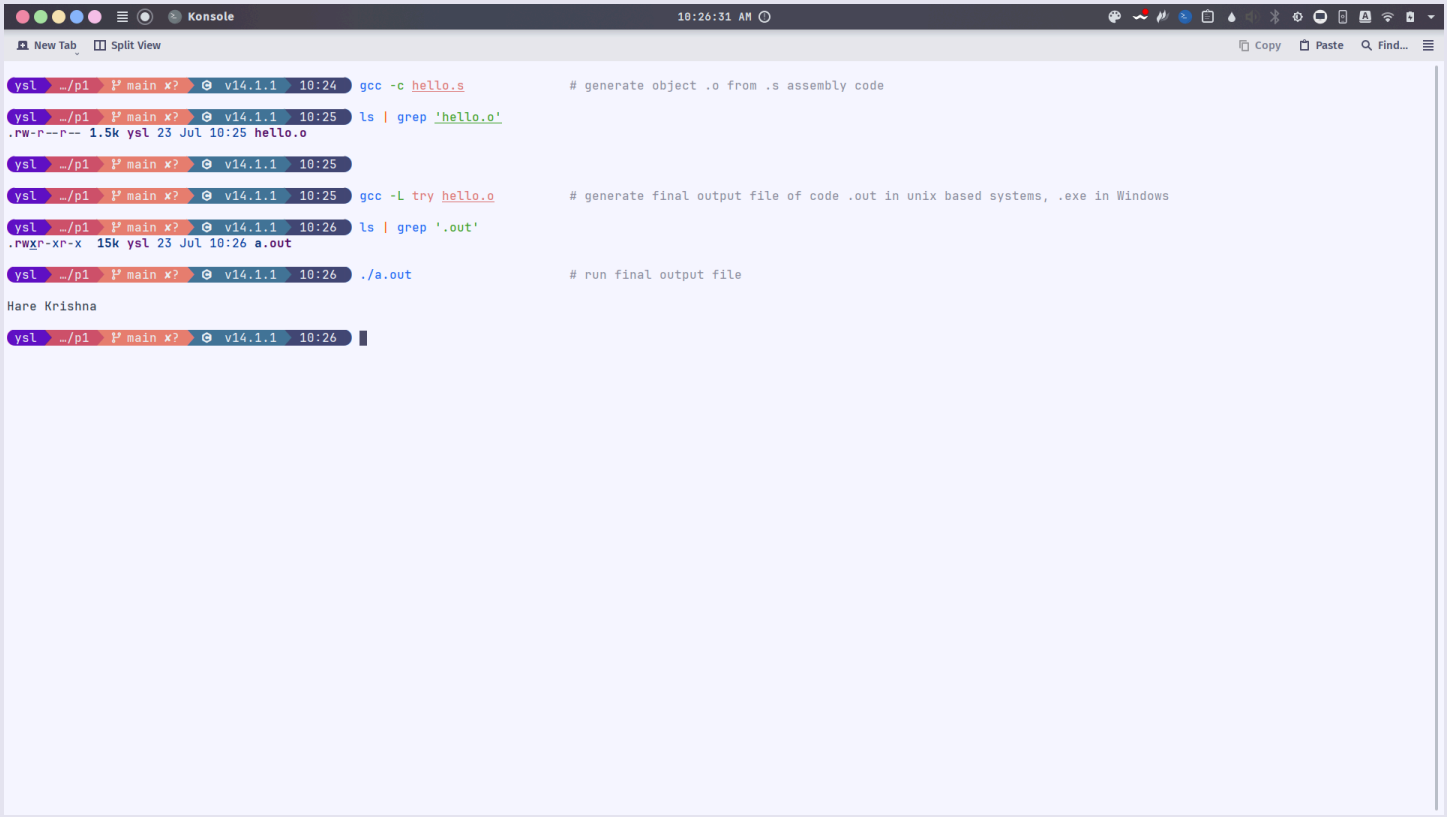
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CD Practical 1

1) Understand modules of the compilation process with the help of a program. (Pre-processor, Compiler, Assembler, Linker/Loader)

Stepwise screenshots with commands and comments :



Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CD Practical 1



2) Write a C program to test whether a given identifier is valid or not.

Code :

```
kywrds = {
   "auto", "break", "case", "char", "const", "continue", "default", "do",
"double", "else",
   "enum", "extern", "float", "for", "goto", "if", "inline", "int",
"long", "register",
   "restrict", "return", "short", "signed", "sizeof", "static", "struct",
"switch", "typedef",
   "union", "unsigned", "void", "volatile", "while", "_Alignas",
"_Alignof", "_Atomic",
   "_Bool", "_Complex", "_Decimal128", "_Decimal32", "_Decimal64",
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CD Practical 1

```
"_Generic", "_Imaginary",
   "_Noreturn", "_Static_assert", "_Thread_local", "asm", "bool", "catch",
"class", "const_cast",
   "delete", "dynamic_cast", "explicit", "export", "false", "friend",
"mutable", "namespace",
   "new", "operator", "private", "protected", "public",
"reinterpret_cast", "static_assert",
   "template", "this", "thread_local", "throw", "true", "try", "typeid",
"typename", "using",
   "virtual", "wchar_t"
}

def is_valid_identifier(word):
   return word.isidentifier() and word not in kywrds and not
word[0].isdigit()

word = input("\nEnter a word to check if it is a valid identifier : ")
print("\n\tValid" if is_valid_identifier(word) else "\n\tInvalid")
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CD Practical 1

Output :