

## General Instructions

- Purchase the book "**Let Us C**" by Yashwant Kanetkar, specifically the **18th edition or any newer** edition available.
- Expected to solve 108 problems [Refer table No 3].
- You are requested to submit all the solved questions once you are onboarded at KPIT Premises.
- You are advised to solve or practice coding exercise as per suggested tools [Refer Table 1].

**Note:- Online Compilers are not Advisable.**

- Activity called "Self-Review of work" should be done as per the day wise plan [Refer Table 3]

## Tools Information:

S. No	Name of Software	Link to Download	Guidance on tool installation
01	Mingw (Gcc/G++) V 0.602	<a href="https://sourceforge.net/projects/mingw/files/latest/download">https://sourceforge.net/projects/mingw/files/latest/download</a>	<a href="#">Guidelines to Install Mingw</a>
02	Visual studio code V1.6.2	<a href="https://code.visualstudio.com/download">https://code.visualstudio.com/download</a>	<ul style="list-style-type: none"><li>• <a href="#">Guidelines to install VSCode</a></li><li>• <a href="#">Guidelines for adding extention in VSCode</a></li></ul>

**Table No1. Tools Information**

## Assessment Details:

Assessment ID	Topics
AC0	Complete Chapters from the Let us C Book by Yashwant Kanetkar
AC1	Chapter 1 to 7
AC2	Chapter 8, 10, 11 & 12
AC3	Chapter 1 to 14, 17 & 22
AC4	Chapter 15, 16, 21 & Basic file operation
AC5	Complete Chapters from the Let us C Book by Yashwant Kanetkar
AC6	Complete Chapters from the Let us C Book by Yashwant Kanetkar
AC7	Code Marathon (Complete Chapters from the Let us C Book by Yashwant Kanetkar)

**Table No2. Assessment Details**

### Day wise plan:

Day	Activity Type	Topics	No of Hrs	Start Time	End Time
Day1	Hands on Coding Practice	<b>Practice :</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book], 1. Getting Started (3Q from Attempt the Following) 2. C instruction (6Q from Attempt the Following) 3. Decision Control Instruction (9Q from Attempt the Following) 4. More Complex Decision Making (4Q from Attempt the Following) 5. Loop Control Instruction (6Q from Attempt the Following) 6. More Complex Repetition (9Q from Attempt the Following) 7. Case Control Instruction (1Q)	8	9:00 AM	6:00 PM
Day2	Hands on Coding Practice	<b>Practice :</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book], 1. Getting Started (3Q from Attempt the Following) 2. C instruction (6Q from Attempt the Following) 3. Decision Control Instruction (9Q from Attempt the Following) 4. More Complex Decision Making (4Q from Attempt the Following) 5. Loop Control Instruction (6Q from Attempt the Following) 6. More Complex Repetition (9Q from Attempt the Following) 7. Case Control Instruction (1Q)	8	9:00 AM	6:00 PM
Day3	Hands on Coding Practice	<b>Practice :</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book], 1. Getting Started (3Q from Attempt the Following) 2. C instruction (6Q from Attempt the Following) 3. Decision Control Instruction (9Q from Attempt the Following) 4. More Complex Decision Making (4Q from Attempt the Following) 5. Loop Control Instruction (6Q from Attempt the Following) 6. More Complex Repetition (9Q from Attempt the Following) 7. Case Control Instruction (1Q)	8	9:00 AM	6:00 PM
Day3	Self-Review of Work	<b>Definition of Done</b> - Completing all 38-coding exercise problem from the topics mentioned below. 1. Getting Started (3Q from Attempt the Following) 2. C instruction (6Q from Attempt the Following) 3. Decision Control Instruction (9Q from Attempt the Following) 4. More Complex Decision Making (4Q from Attempt the Following) 5. Loop Control Instruction (6Q from Attempt the Following) 6. More Complex Repetition (9Q from Attempt the Following) 7. Case Control Instruction (1Q)	NA	NA	NA
Day4	Hands on Coding Practice	<b>Practice :</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book], 8. Function (2Q from Answer the following) 9. Pointers (3Q from Attempt the Following) 10. Recursion (3Q from Attempt the Following) 12. C preprocessor (3Q from Attempt the Following) 13. Array (10Q from Attempt the Following) 14. Multidimensional Array (8Q from Attempt the Following)	8	9:00 AM	6:00 PM

Day5	Hands on Coding Practice	<b>Practice :</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book], 8. Function (2Q from Answer the following) 9. Pointers (3Q from Attempt the Following) 10. Recursion (3Q from Attempt the Following) 12. C preprocessor (3Q from Attempt the Following) 13. Array (10Q from Attempt the Following) 14. Multidimensional Array (8Q from Attempt the Following)	8	9:00 AM	6:00 PM
Day6	Hands on Coding Practice	<b>Practice :</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book], 8. Function (2Q from Answer the following) 9. Pointers (3Q from Attempt the Following) 10. Recursion (3Q from Attempt the Following) 12. C preprocessor (3Q from Attempt the Following) 13. Array (10Q from Attempt the Following) 14. Multidimensional Array (8Q from Attempt the Following)	8	9:00 AM	6:00 PM
Day7	Hands on Coding Practice	<b>Practice :</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book], 8. Function (2Q from Answer the following) 9. Pointers (3Q from Attempt the Following) 10. Recursion (3Q from Attempt the Following) 12. C preprocessor (3Q from Attempt the Following) 13. Array (10Q from Attempt the Following) 14. Multidimensional Array (8Q from Attempt the Following)	8	9:00 AM	6:00 PM
Day7	Self-Review of Work	<b>Definition of Done</b> - Completing all 29 coding exercise problems from the topics mentioned below. 8. Function (2Q from Answer the following) 9. Pointers (3Q from Attempt the Following) 10. Recursion (3Q from Attempt the Following) 12. C preprocessor (3Q from Attempt the Following) 13. Array (10Q from Attempt the Following) 14. Multidimensional Array (8Q from Attempt the Following)	NA	NA	NA
Day8	Hands on Coding Practice	<b>Practice:</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book] 15. Strings (3Q from Attempt the following) 16. Handling Multiple Strings (6Q from Answer the following) 17. Structure (7Q from Attempt the following) 18. Console Input and Output (5Q from Answer the following) 19. File Input and Output (10Q from Attempt the following) 20. More issue input and Output (4Q from Answer the following) 21. Operation on bits (4Q from Attempt the following) 22. Miscellaneous features (2Q from Attempt the following)	8	9:00 AM	6:00 PM
Day9	Hands on Coding Practice	<b>Practice:</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book] 15. Strings (3Q from Attempt the following) 16. Handling Multiple Strings (6Q from Answer the following) 17. Structure (7Q from Attempt the following) 18. Console Input and Output (5Q from Answer the following) 19. File Input and Output (10Q from Attempt the following) 20. More issue input and Output (4Q from Answer the following) 21. Operation on bits (4Q from Attempt the following) 22. Miscellaneous features (2Q from Attempt the following)	8	9:00 AM	6:00 PM

Day10	Hands on Coding Practice	<b>Practice:</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book] 15. Strings (3Q from Attempt the following) 16. Handling Multiple Strings (6Q from Answer the following) 17. Structure (7Q from Attempt the following) 18. Console Input and Output (5Q from Answer the following) 19. File Input and Output (10Q from Attempt the following) 20. More issue input and Output (4Q from Answer the following) 21. Operation on bits (4Q from Attempt the following) 22. Miscellaneous features (2Q from Attempt the following)	8	9:00 AM	6:00 PM
Day11	Hands on Coding Practice	<b>Practice:</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book] 15. Strings (3Q from Attempt the following) 16. Handling Multiple Strings (6Q from Answer the following) 17. Structure (7Q from Attempt the following) 18. Console Input and Output (5Q from Answer the following) 19. File Input and Output (10Q from Attempt the following) 20. More issue input and Output (4Q from Answer the following) 21. Operation on bits (4Q from Attempt the following) 22. Miscellaneous features (2Q from Attempt the following)	8	9:00 AM	6:00 PM
Day12	Hands on Coding Practice	<b>Practice:</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book] 15. Strings (3Q from Attempt the following) 16. Handling Multiple Strings (6Q from Answer the following) 17. Structure (7Q from Attempt the following) 18. Console Input and Output (5Q from Answer the following) 19. File Input and Output (10Q from Attempt the following) 20. More issue input and Output (4Q from Answer the following) 21. Operation on bits (4Q from Attempt the following) 22. Miscellaneous features (2Q from Attempt the following)	8	9:00 AM	6:00 PM
Day13	Hands on Coding Practice	<b>Practice:</b> Solve coding Exercise on below mentioned topic [ Ref book -" Let us C", Yeshwant Kanetkar's 18th or Above edition book] 15. Strings (3Q from Attempt the following) 16. Handling Multiple Strings (6Q from Answer the following) 17. Structure (7Q from Attempt the following) 18. Console Input and Output (5Q from Answer the following) 19. File Input and Output (10Q from Attempt the following) 20. More issue input and Output (4Q from Answer the following) 21. Operation on bits (4Q from Attempt the following) 22. Miscellaneous features (2Q from Attempt the following)	8	9:00 AM	6:00 PM
Day14	Self-Review of Work	<b>Definition of Done</b> - Completing all 41 coding exercise problems from the topics mentioned below. 15. Strings (3Q from Attempt the following) 16. Handling Multiple Strings (6Q from Answer the following) 17. Structure (7Q from Attempt the following) 18. Console Input and Output (5Q from Answer the following) 19. File Input and Output (10Q from Attempt the following) 20. More issue input and Output (4Q from Answer the following) 21. Operation on bits (4Q from Attempt the following) 22. Miscellaneous features (2Q from Attempt the following)	NA	NA	NA

**Table No3. Day Wise Plan**