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| **Week 2 Task** | **Title: Basics of C** |
| **Name and Student ID** |  |

**Tutorial Task(s)**

1. Differentiate between compiling and linking?
2. Explain the purpose of header file in C?
3. Explain the purpose of using library in C?
4. Mention one difference between declaring a variable and defining a variable?
5. State the reason for data type specified for variable declaration?
6. Explain the uses of **void** in C?
7. Which declaration is correct : main(0 or void main () or int main (), explain based on your understanding whether main() must?
8. Should main () always a return a value?
9. How can you check what value is returned from main() ? is the executed program terminated normally or not?
10. Classify the different type of operators in C ?
11. Explain the difference of lvalue and rvalue?
12. Why does the statement a+b = c+d is not legal in C?
13. Why should use i++ instead of i=i+1?
14. Can apply ++ and -- operators on floating point numbers? Mention the difference between prefix and postfix forms of the ++ operator?
15. Mention the precedence of operator?
16. Explain the term cast refer to ? why it is used?

What is the output for following codes?

a)

int main()

{

float c=3.14;

printf(“%f”, c%2);

return 0;

}

b)

Int main ()

{

C=--2;

printf(”c=%d”, c)

return 0;

}

c)

int main()

{

int x= 1, y=5;

prinff (“%d”, ++x+y);

return 0;

}