

C Programming Assignment - 2

1. Write the steps to compile and run a C program using the gcc command on a terminal.
(Example: gcc filename.c -o outputname ...)

2. Explain the command which creates all intermediate files as .i, .o, .asm etc

3. What is the entry point function in every C program? Explain why it is important.

4. In the program below, explain the role of int in the line int main().

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    printf("Jay Ganesh");
```

```
    return 0;
```

```
}
```

5. What is the purpose of return 0; in the main() function? What happens if we do not write it?

6. What is the use of #include <stdio.h> in a C program? What will happen if we remove it?

7. Identify and correct the error in the following code:

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    printf("Jay Ganesh")
```

```
    return 0
```

```
}
```

Explain why the error occurred.

8. Write a program that prints the following output:

Jay

Ganesh

9. Explain why every C statement ends with a semicolon. Give an example of what happens if we forget it.

10. Predict the output of the following program and explain each line of code:

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    printf("Marvellous Infosystems");
```

```
    printf("\nJay Ganesh");
```

```
    return 0;
```

```
}
```

