

## Output :--

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vedu@pop-os: ~/assignment_DSA/prob_01
vedu@pop-os:~/assignment_DSA/prob_01$ gcc prob_01.c
vedu@pop-os:~/assignment_DSA/prob_01$ ./a.out
decimal value of pi_1....3.142857
decimal value of pi_2....3.141593
diff...0.001264
binary string_1...01000000010010010010010010010010
binary string_2...0100000001001001000011111011011
vedu@pop-os:~/assignment_DSA/prob_01$
```

binary strings are begin to differ 19<sup>th</sup> bit from beginning.

As pi\_1 = 01000000010010010010010010010010

& pi\_2 = 0100000001001001000011111011011

decimal strings are begin to differ from 3<sup>rd</sup> place after decimal point.

As pi\_1 = 3.142857

& pi\_2 = 3.141593