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Roll no - 20103051

Subject - C programming external

Branch - CSE

Semester - IInd

Q. Write a C program to display following pattern:

1 100 3 99 5 98 7 97 1

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

```
int main()
```

```
{
```

```
    int s1=1, s2=100;
```

```
    while (s2)
```

```
    {
```

```
        printf("%d %d ", s1, s2);
```

```
        s1 += 2;
```

```
        s2 --;
```

```
    }
```

```
    return;
```

```
}
```

Output

1 100 3 99

Viva question

1. $(123)_{10} =$

$$\begin{array}{r|l|l} 4 & 123 & 3 \\ \hline 4 & 30 & 2 \\ \hline 4 & 7 & 3 \\ \hline & 1 & \end{array} = (1323)_4$$

2. ASCII - American standard code of Information Interchange

C:\Users\Rishikesh Kumar\Dropbox\My PC (LAPTOP-KP31EEKV)\Desktop\ComputerClass\external\mine.exe

```
1 100 3 99 5 98 7 97 9 96 11 95 13 94 15 93 17 92 19 91 21 90 23 89 25 88 27 87 29 86 31 85 33 84 35 83 37 82 39 81 41 80 43 79 45 78 47 77 49 76 51 75 53 74 55 73 57 72 59 71 61 70 63 69 65 68 67 67 69 66 71 65 73 64 75 63 77 62 79 61 81 60 83 59 85 58 87 57 89 56 91 55 93 54 95 53 97 52 99 51 101 50 103 49 105 48 107 47 109 46 111 45 113 44 115 43 117 42 119 41 121 40 123 39 125 38 127 37 129 36 131 35 133 34 135 33 137 32 139 31 141 30 143 29 145 28 147 27 149 26 151 25 153 24 155 23 157 22 159 21 161 20 163 19 165 18 167 17 169 16 171 15 173 14 175 13 177 12 179 11 181 10 183 9 185 8 187 7 189 6 191 5 193 4 195 3 197 2 199 1
```

Process exited after 0.1159 seconds with return value 0

Press any key to continue . . .

3

Rishikesh kumar

3. $1 \text{ PB} = 10^{12} \text{ KB}$

4. Compiler can convert source code to machine executable code

5. 12

6. ~~1005~~ 2065

7. x.26

8. Infinite

9. ~~the~~ C language is developed by Bennis Richre

10. Pointer variable is used to store address.