

Practice programs for OOT lab. week 2

(1) Hello world;

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```
class First {  
    public static void main (String[] args) {  
        System.out.println ("Hello world");  
    }  
}
```

(2) Find the largest of 3 numbers using if const.
import java.util.Scanner;

```
class large {  
    public static void main (String[] args) {  
        System.out.println ("Enter 3 integers");  
        int a, b, c;  
        Scanner in = new Scanner (System.in);  
        a = in.nextInt();  
        b = in.nextInt();  
        c = in.nextInt();
```

```
        if (a > b) {  
            if (a > c) {  
                System.out.println ("large = " + a);  
            }  
            else {  
                System.out.println ("large = " + c);  
            }  
        }  
        else {  
            if (b > c) {  
                System.out.println ("large = " + b);  
            }  
            else {  
                System.out.println ("large = " + c);  
            }  
        }  
    }  
}
```


Q8) Pattern

```

1
2 3
4 5 6
7 8 9 10

```

```

import java.util.Scanner;

class pattern {
    public static void main () {
        int i, j, n, c = 1;
        Scanner in = new Scanner (System.in);

        System.out.println ("Enter a num to form
        pattern");
        n = in.nextInt();

        for (i = 0; i <= n; i++) {
            for (j = 0; j <= i; j++) {
                System.out.print(c);
                c++;
            }
            System.out.println ("");
        }
    }
}

```

Q9) print 1 to n.

```

import java.util.Scanner;

class num {
    public static void main () {
        int n;
        Scanner in = new Scanner (System.in);
        n = in.nextInt();

        for (int i = 0; i <= n; i++) {
            System.out.println (i);
        }
    }
}

```


(Q5) # Accept marks of Stud to find Grade.

(1) Hll using if else if ladder.

```
import java.util.Scanner;
class marks {
    public static void main() {
        Scanner in = new Scanner(System.in);
        int a = in.nextInt();
        int b = in.nextInt();
        float c = (a+b)/10;
        if (c >= 9 && c <= 10)
            System.out.println("S");
        else if (c >= 8 && c < 9)
            System.out.println("A");
        else if (c >= 7 && c < 8)
            System.out.println("B");
        else if (c >= 6 && c < 7)
            System.out.println("C");
        else if (c >= 5 && c < 6)
            System.out.println("D");
        else if (c >= 4 && c < 5)
            System.out.println("E");
        else if (c >= 3 && c < 4)
            System.out.println("F");
        else
            System.out.println("Invalid");
    }
}
```

(Q6) print the prime numbers b/w given two integers.

C program

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```
int main()
```

```
int i, j, n;
```

```
printf("Enter 2 numbers");
```

```
scanf("%d %d", &i, &j);
```

```
for (n=i; n<=j; n++)
```

```
{ if (n%2==0)
```

```
printf("%d", n);
```

```
else
```

```
continue;
```

```
}
```

```
printf("A")
```

```
printf("B")
```

```
printf("C")
```

```
printf("D")
```

```
printf("E")
```

```
printf("F")
```

```
printf("G")
```

```
printf("H")
```

```
printf("I")
```

```
printf("J")
```

```
printf("K")
```

```
printf("L")
```

```
printf("M")
```

```
printf("N")
```

```
printf("O")
```

```
printf("P")
```

```
printf("Q")
```

```
printf("R")
```

```
printf("S")
```

```
printf("T")
```

```
printf("U")
```

```
printf("V")
```

```
printf("W")
```

```
printf("X")
```

```
printf("Y")
```