Javascript assignment:

Print the prime numbers between a range.eg(1 to 50)

var a=50;

for(i=1;i<=a;i++)

{

count=0;

for(j=1;j<=a;j++)

{

if(i%j==0)

{

count++;

}

}

if(count==2)

{

console.log("count value"+count)

console.log(i);

}

}

Output:

2

3

5

7

11

13

17

19

23

29

31

37

41

43

47

Trainagular number sequence. (1,3,6,10,15,21,...)

var a=50;

var sum=0;

for(i=1;i<=30;i++)

{

sum=sum+i;

console.log(sum)

}

Output:

1

3

6

10

15

21

28

36

45

55

66

78

91

105

120

136

153

171

190

210

231

253

276

300

325

351

378

406

435

465

Print the pattern like as follows for a given input as 6:

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var a=6;

var String =" ";

for(i=1;i<=a;i++)

{

for(j=1;j<=i;j++)

{

String+="\*";

}

String+="\n";

}

console.log(String)

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Print the Traingle (Pyramid) pattern

var rows = 5;

var String=" ";

for(var i=1; i<=rows; i++)

{

for(var k=1; k<=( rows-i ); k++)

{

String+=" ";

}

for(var j=1; j<=i; j++)

{

String+="\* ";

}

String+="\n"

}

console.log(String);

output:

\*

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fabinacci series:

var a=0;

var b=1;

for(i=0;i<20;i++)

{

console.log(a)

var c=a+b;

a=b;

b=c;

}

0

1

1

2

3

5

8

13

21

34

55

89

144

233

377

610

987

1597

2584

4181

Print the diamond

var String=" ";

for(var i=1;i<=5;i++)

{

for(var j=i;j<=5;j++)

{

String+=" ";

}

for(var j=1;j<=i;j++)

{

String+="\* ";

}

String+="\n";

}

console.log(String);

for(var i=1;i<=5;i++)

{

for(var j=1;j<=i;j++)

{

String+=" ";

}

for(var j=i;j<=5;j++)

{

String+="\* ";

}

String+="\n";

}

console.log(String);

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Switch case. On departments, taking input from user.

var dept=prompt("enter your department");

switch(dept)

{

case "cse":

return cse1;

break;

case "ece":

return ece1;

break;

case "eee":

return eee1;

break;

case "mech":

return mech1;

break;

default:

return "not matched"

}

console.log(dept)

output:

cse