

CS 200-1, Summer 2017, Programming I Quiz 4
Thursday, July 6th, 2017

NAME: _____

ID: _____

Problem 1 (100 pts) Write a Java program to prompt the user to enter an integer **n** between 1 and 20 both inclusive and (error check is required), then create an array **arr** of size **n**.

The program then will fill up the integer array with powers of 2, so first element will be 2^0 , second element will be 2^1 , third element will be 2^2 , forth element will be 2^3 and the last element will be 2^{n-1}

If $n = 5$, **arr** will have the values:

1	2	4	8	16
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If $n = 8$, **arr** will have the values:

1	2	4	8	16	32	64	128
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```
public static void main (String[] args)
{
```

```
}
```