CSE221 – Home Assignment 1

BRAC UNIVERSITY | SUMMER 2023

Deadline: 14-Jun-2023 (Wednesday) 8 AM | (*No Late Submission Accepted*)

Total Mark: 5

1. Find the worst-case running time complexity for the following code snippet:

```
p = 3;
while(p<=n)
{
    p = p*p*p;
}
```

2. Find the worst-case running time complexity for the following code snippet:

```
for (i=1;i<=n;i++)
    {
        for (j=1;j<=pow(i,2);j++)
            {
                for (k=1;k<=n/2;k++)
                {
                    printf("Hello");
                }
            }
    }
```