

```
D:\Java\jdk1.8.0_102\bin\java.exe "-javaagent:D:\IntelliJ IDEA
Community Edition 2019.2\lib\idea_rt.jar=52194:D:\IntelliJ
IDEA Community Edition 2019.2\bin" -Dfile.encoding=UTF-8 -
classpath D:\Java\jdk1.8.0_102\jre\lib\charsets.jar;D:\Java\
jdk1.8.0_102\jre\lib\deploy.jar;D:\Java\jdk1.8.0_102\jre\lib\
ext\access-bridge-32.jar;D:\Java\jdk1.8.0_102\jre\lib\ext\
cldrdata.jar;D:\Java\jdk1.8.0_102\jre\lib\ext\dnsns.jar;D:\Java
\jdk1.8.0_102\jre\lib\ext\jaccess.jar;D:\Java\jdk1.8.0_102\jre\
lib\ext\jfxrt.jar;D:\Java\jdk1.8.0_102\jre\lib\ext\localedata.
jar;D:\Java\jdk1.8.0_102\jre\lib\ext\nashorn.jar;D:\Java\jdk1.8
.0_102\jre\lib\ext\sunec.jar;D:\Java\jdk1.8.0_102\jre\lib\ext\
sunjce_provider.jar;D:\Java\jdk1.8.0_102\jre\lib\ext\sunmscapi.
jar;D:\Java\jdk1.8.0_102\jre\lib\ext\sunpkcs11.jar;D:\Java\jdk1
.8.0_102\jre\lib\ext\zipfs.jar;D:\Java\jdk1.8.0_102\jre\lib\
javaws.jar;D:\Java\jdk1.8.0_102\jre\lib\jce.jar;D:\Java\jdk1.8.
0_102\jre\lib\jfr.jar;D:\Java\jdk1.8.0_102\jre\lib\jfxswt.jar;D
:\Java\jdk1.8.0_102\jre\lib\jsse.jar;D:\Java\jdk1.8.0_102\jre\
lib\management-agent.jar;D:\Java\jdk1.8.0_102\jre\lib\plugin.
jar;D:\Java\jdk1.8.0_102\jre\lib\resources.jar;D:\Java\jdk1.8.
0_102\jre\lib\rt.jar;D:\IntelliJ_Projects\Project03_AlgoDS\out\
production\Project03_AlgoDS edu.uncc.cci.algods.Main
Text: Hi! My name is Ankit Pandita.
Pattern: Ankit
```

```
Brute-Force algorithm
Match start index: 15
Number of comparisons: 20
```

```
Boyer-Moore-Horspool algorithm
Match start index: 15
Number of comparisons: 8
```

```
Knuth-Morris-Pratt algorithm
Match start index: 15
Number of comparisons: 20
```

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```
Text: Jinraj is cooking.
Pattern: cook
```

```
Brute-Force algorithm
Match start index: 10
Number of comparisons: 14
```

```
Boyer-Moore-Horspool algorithm
Match start index: 10
Number of comparisons: 8
```

Knuth-Morris-Pratt algorithm

Match start index: 10

Number of comparisons: 14

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Text: Avajit is talking

Pattern: BOABAB

Brute-Force algorithm

No match found

Number of comparisons: 12

Boyer-Moore-Horspool algorithm

No match found

Number of comparisons: 2

Knuth-Morris-Pratt algorithm

No match found

Number of comparisons: 17

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Text: Jim saw me in a barbershop

Pattern: barber

Brute-Force algorithm

Match start index: 16

Number of comparisons: 22

Boyer-Moore-Horspool algorithm

Match start index: 16

Number of comparisons: 12

Knuth-Morris-Pratt algorithm

Match start index: 16

Number of comparisons: 22

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Text: BARD LOVES BANANAS

Pattern: BANANA

Brute-Force algorithm

Match start index: 11

Number of comparisons: 19

Boyer-Moore-Horspool algorithm

Match start index: 11

Number of comparisons: 8

Knuth-Morris-Pratt algorithm

Match start index: 11

Number of comparisons: 18

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Text: bess new about baobabs

Pattern: baobab

Brute-Force algorithm

Match start index: 15

Number of comparisons: 23

Boyer-Moore-Horspool algorithm

Match start index: 15

Number of comparisons: 9

Knuth-Morris-Pratt algorithm

Match start index: 15

Number of comparisons: 23

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Text: ABABEABABAABABABAEABABACBDHDSKWABABATWI

Pattern: ABABACB

Brute-Force algorithm

Match start index: 18

Number of comparisons: 54

Boyer-Moore-Horspool algorithm

Match start index: 18

Number of comparisons: 17

Knuth-Morris-Pratt algorithm

Match start index: 18

Number of comparisons: 34

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Text: AAAABBABABBBBBABBBBBBBABBBBBABABBBBAAABABABABABABAA

Pattern: BBBBABBBB

Brute-Force algorithm

Match start index: 9

Number of comparisons: 22

Boyer-Moore-Horspool algorithm

Match start index: 9

Number of comparisons: 18

Knuth-Morris-Pratt algorithm

Match start index: 9

Number of comparisons: 21

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Text: I went for a run

Pattern: run

Brute-Force algorithm

Match start index: 13

Number of comparisons: 17

Boyer-Moore-Horspool algorithm

Match start index: 13

Number of comparisons: 8

Knuth-Morris-Pratt algorithm

Match start index: 13

Number of comparisons: 17

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Text: Merry Christmas and A Very Happy New Year

Pattern: Christmas

Brute-Force algorithm

Match start index: 6

Number of comparisons: 15

Boyer-Moore-Horspool algorithm

Match start index: 6

Number of comparisons: 10

Knuth-Morris-Pratt algorithm

Match start index: 6

Number of comparisons: 15

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Process finished with exit code 0